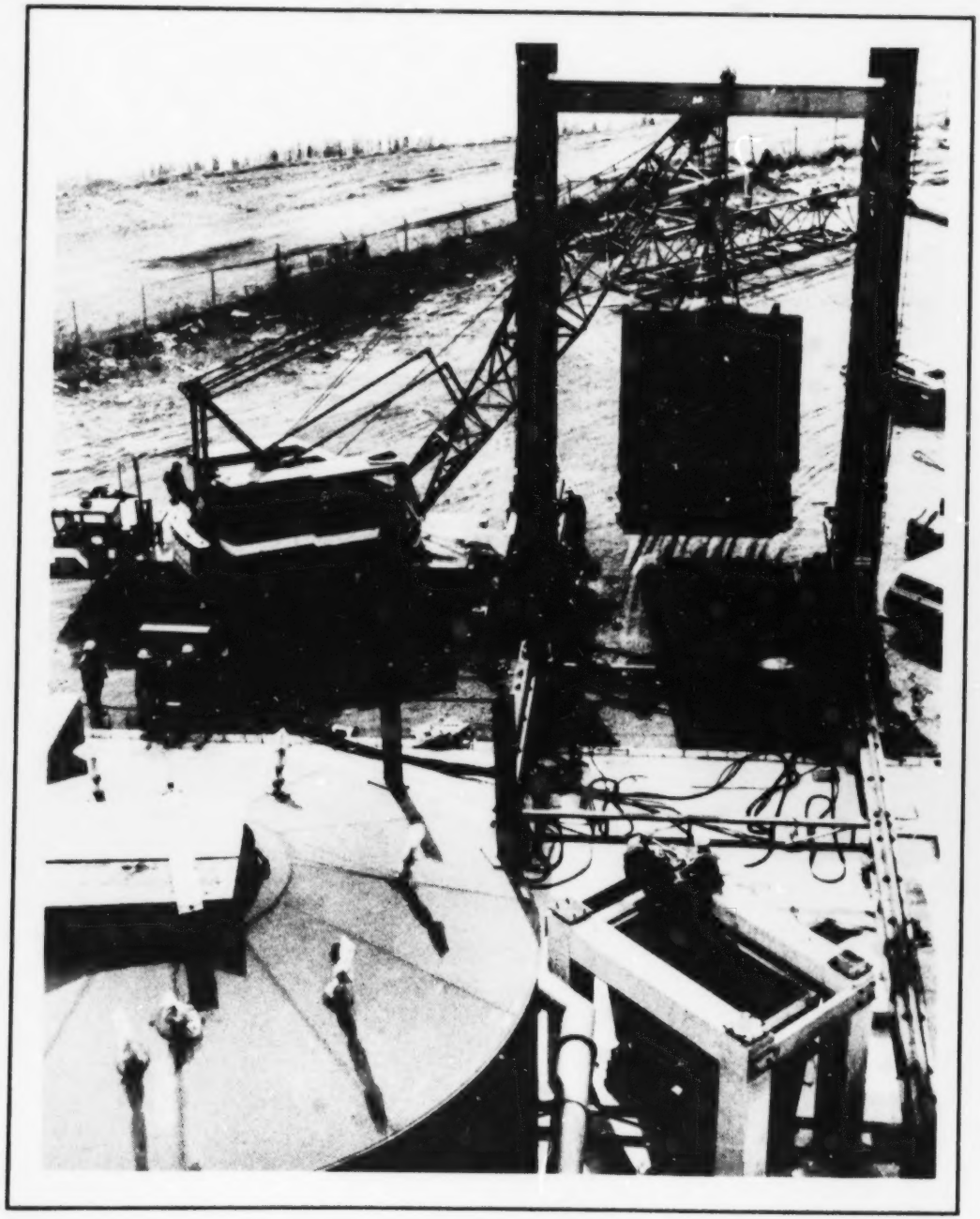


Water and Sewage Works Construction in Ontario

1983-1984 Assistance

Ontario
Ministry of the Environment
Hon. Morley Kells, Minister
Dr. Allan E. Dyer, Deputy Minister

86-0640/

Foreword

Record of Assisting Municipalities

For almost 30 years we have helped municipalities to construct communal water and sewage systems that are essential for the protection of public health and the environment. These assistance programs, including both loans and grants, have been extended to larger and smaller municipalities for three main purposes.

Firstly, support has been given for the construction of watermains, trunk sewers and treatment plants to serve larger urban areas, sometimes including several municipalities. Secondly, small municipalities have been assisted to construct needed communal works where the costs would otherwise have been unaffordable. Thirdly, rural communities have received help to solve problems experienced in the use of wells and septic tanks.

This booklet presents Ontario's record of assistance to municipalities in 1983-84 and indicates the types of grants and loans provided.

Starting in April, 1985 revisions will be made to the assistance programs to meet new priorities and simplify administration.

On the Cover:
Construction at Lakeview Sewage Treatment Plant South Peel system

The three existing grant programs will be integrated by use of a single grant calculation based on population levels in the community to be serviced.

Grants of up to 85 per cent will be given for projects in small municipalities of 1,000 population or less. Costs of engineering studies in urban communities will be eligible for assistance, to be provided up-front.

Financial assistance for small municipalities will also be extended to certain projects in regional municipalities, with regional governments sharing in the cost.

Under a new program, 25 per cent grants will be provided for some rural waterline extensions.

These changes can be expected to greatly strengthen the Ministry's capacity to ensure safe, adequate water supplies and effective sewage treatment throughout the Province.

For further information, contact any of the six ministry regional offices. We'd be happy to tell you more.

Thank you for your interest in maintaining Ontario's impressive position as a leader in this important area of health and environmental protection.

Morley Kells

Morley Kells
Minister

Ontario
Ministry of the Environment

Hon. Morley Kells
Minister

Dr. Allan E. Dyer
Deputy Minister

Table of Contents

Page No.

Background on Water Treatment, Pollution Control 2
- I — A History of Achievement
- II — Present Situation

What Programs are Available 4

Addresses/phone numbers of MOE offices 6

1983-84 Assistance Program 7

1983-84 Financial Summary 7

Specific Activities in 1983-84 7
- — Glossary of Codes, Terms, Definitions 8
- — Southwestern Region 9
- — West Central Region 13
- — Central Region 18
- — Southeastern Region 25
- — Northeastern Region 30
- — Northwestern Region 35

Appendices
- I — Explanation of Financial Categories 38
- II — Area Systems — The Joint Approach 39
- III — Fact Sheets on the various assistance programs 41
- IV — Sample Application Form for Technical Approval 43
- V — Sample Application Form for Grants 45
- VI — New Grant Program 46

Background on Water Treatment, Pollution Control

I — A History of Achievement

Ontario's concerns for public health, including treatment of public water supplies, go back more than 100 years to the establishment of the Provincial Board of Health in 1882.

However, even as recently as 30 years ago our Province was a very different place with quite limited services compared to what we know today. For example, sewage and water systems were generally available only in the larger municipalities, and few communities had adequate sewage and water treatment systems.

Recognizing how badly urban and industrial development could be affected, in 1956 the Ontario Government formed the Ontario Water Resources Commission to address the situation. Since then a series of provincial assistance programs was developed to facilitate the construction of the necessary works; each one reflecting the needs of the times in which they were conceived; each one providing a step toward the construction of the numerous water supply and pollution control systems that we now have in operation.

Initially, the assistance was confined to Provincial loans which permitted municipalities to take advantage of the Province's borrowing power to reduce costs. This was effective in assisting larger municipalities for example in Ottawa, Sarnia, Windsor, London, Brantford, Belleville and Cornwall, but it was found that projects were still too expensive for medium and small sized municipalities to undertake.

In 1965, the government took a completely new approach by establishing provincial programs where the Province invested in water and sewage facilities to serve municipalities. Small municipalities were slow to take advantage, however, for the charges they faced were still very high. Therefore subsidies were introduced in 1969, for communities with populations below 5,000. Up to 50% of the provincial loan could be forgiven.

The Province also introduced a 15% subsidy to encourage municipalities to join together and take advantage of the economies of scale. Cost effective area projects such as South Peel, the Lake Erie Water Supply System and the Lake Huron Water Supply Systems were built to serve many municipalities (see Appendix II for more details).

In addition, the Province introduced deficit financing, thus allowing municipalities to defer payments over a 40-year period and take advantage of future growth to pay for the systems.

Projects were constructed for municipalities such as Bradford, Campbellford, Carleton Place, Ingersol, Lakefield, Meaford, Prescott, St. Marys and others.

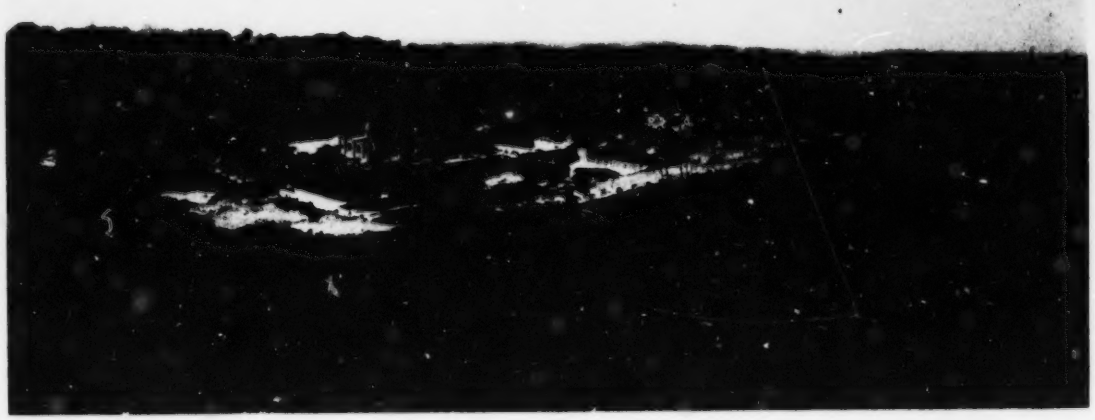
All in all, by 1972 some 627 projects had been developed.

With the formation of the Ministry of the Environment (MOE) in 1972, development of water and sewage projects continued, with periodic refinement of the programs to meet the needs of the times. The subsidy level for small communities was raised to 75% and the eligible population increased to 7,500.

Systems were developed in Belle River, Marmora, Eramosa Township, Thornbury, Glencoe, L'Orignal and 226 other locations.

In 1974, 15% grants were offered to Regional Municipalities undertaking their own construction of water and sewage works.

York Township Sewage Treatment Plant under construction in 1925.



By 1978 it was felt that it was time for municipalities to undertake their own programs and be responsible for development and construction of their own projects. This policy has carried through to the present date.

II — Present Situation

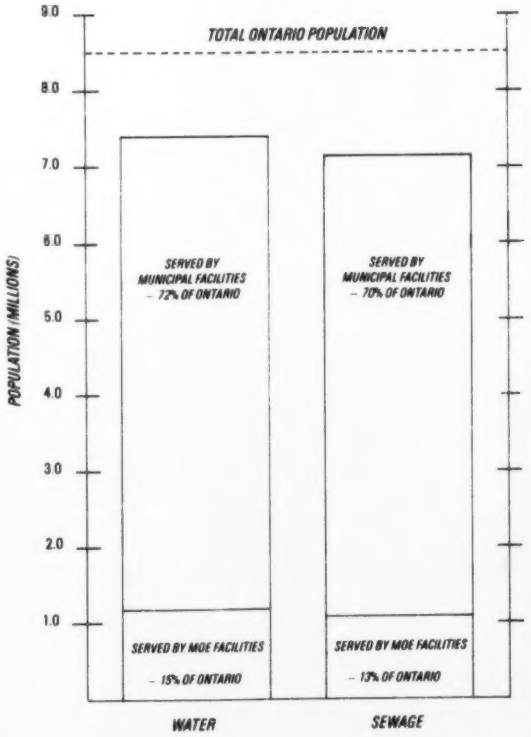
More than 80% of Ontario's 8.6 million residents representing some 2.6 million households are now served by communal water and sewage systems.

Ontario has invested some $2 billion in these systems resulting in the construction of over $6 billion worth of facilities. At today's prices it would cost an estimated $30 billion to replace them.

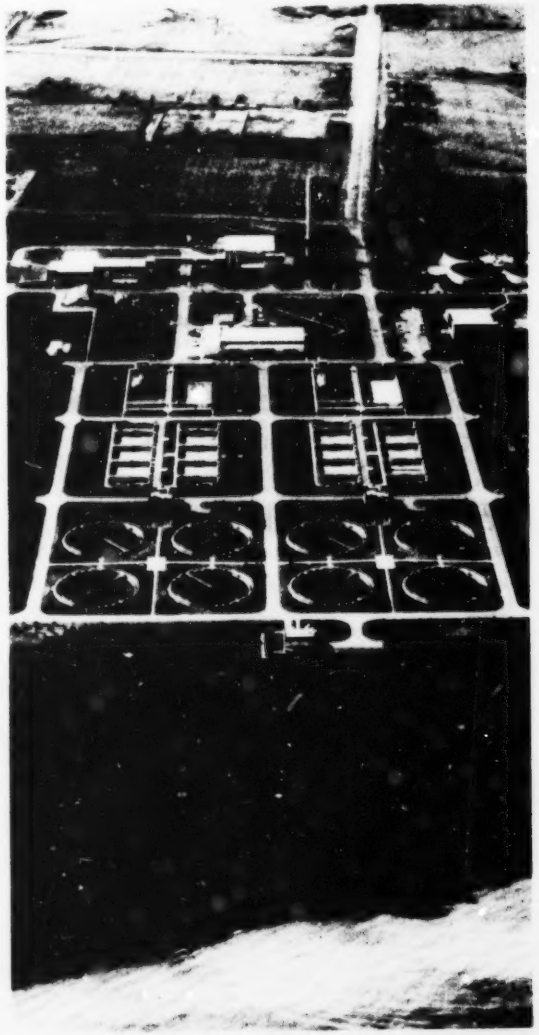
Ontario is in the forefront of jurisdictions with regard to water supply and pollution control; however, this is not to say that our job is complete. As in every other developed region throughout the world, Ontario faces new servicing problems. Water quality is threatened by the discharge of contaminants from industrial processes and waste sites, some outside our jurisdiction. New treatment facilities may need to be installed. Many underground systems are reaching the end of their normal life span and need replacing. These problems must and will be addressed.

To meet these challenges the Ministry constantly reviews its programs to determine their effectiveness, correct any deficiencies and determine what modifications are required to meet the challenges of the future.

POPULATION SERVED BY COMMUNAL WATER AND SEWAGE WORKS FACILITIES



EXPLANATIONS
- *ONTARIO POPULATION 8.6 MILLION PER 1983 MUNICIPAL DIRECTORY*
- *MUNICIPAL FACILITIES INCLUDE FACILITIES ORIGINALLY CONSTRUCTED BY THE PROVINCE BUT OWNERSHIP LATER TRANSFERRED TO MUNICIPALITIES*



Duffin Creek Water Pollution Control Plant, terminus of the giant $270 million York-Durham Sewage Treatment System.

What Programs are Available

Under our current programs in operation for the last six years, projects are administered by the municipalities themselves and are eligible for MOE grants under three categories as follows:

(1) First of all a flat 15% grant is awarded for major water and sewage works in support of urban growth. The 15% grant is calculated like all of our grants on net cost after deducting federal or other grants. This program is aimed at municipalities with populations greater than 7,500.

(2) The second program presently in use is for high cost communal works in municipalities with populations of less than 7,500. The grant is calculated using a threshold formula based on population projections for the project.

(3) Thirdly, a 75% grant is given to subsidize individual homeowners in the correction of individual wells and septic tank systems. This is done only in those communities where ground water and soil conditions are suitable for such facilities and is a viable alternative to more costly communal systems.

Complemented by . . .

It should be pointed out here that the Ministry of the Environment's programs are and have been complemented by funding from other jurisdictions as well.

Assistance towards the construction of municipal water and sewerage works projects has come from the Federal government under several current and former programs. Assistance has also come from such Provincial sources as the Ministries of Northern Affairs and from the Board of Industrial Leadership and Development.

Further details on MOE water and sewage works assistance programs are contained in the FACTS sheets found on pages 41 and 42. Aside from providing more detailed explanations of the programs, the FACTS include such information as:

- the types of municipal works eligible for financial assistance
- how municipalities can arrange to apply for assistance
- information needs
- necessary technical back-up and the approvals process
- location of MOE regional offices

The appendix also includes samples of the forms used for technical approvals as well as those used for grant applications.

NOTE: Funds available are limited. The need for each project is therefore rated on a priority system. Eliminating or preventing health hazards and environmental damage are considerations.

New Thrusts to the Program

Starting April 1, 1985, municipalities will benefit from a number of program changes, designed to simplify administration and meet changing priorities.

The three existing grant programs will be integrated by use of a single grant calculation based on population levels in the community serviced. Grants of up to 85% will be given for projects in small municipalities of 1,000 population or less. Costs of engineering studies in urban communities will be eligible for assistance, to be provided up-front.

Financial assistance for small municipalities will also be extended to certain projects in regional municipalities, with regional governments also sharing in the cost.

Under a new program, 25% grants will be provided for rural waterline extensions.

Further details on the new program are available on page 46.

Ontario

Ministry of the Environment

REGIONS AND OFFICES IN ONTARIO

Ministry of the Environment Regional and District Offices*

SOUTHWESTERN REGION

London Regional Office,
985 Adelaide St. South,
London N6E 1V3
Tel.: 519/681-3600

Windsor District Office,
250 Windsor Ave., 6th Floor,
Windsor N9A 6V9
Tel.: 519/254-5129

Sarnia District Office,
265 North Front St.,
Suite 109,
Sarnia N7T 7X1
Tel.: 519/336-4030

Owen Sound District Office,
1180 Twentieth St.,
Owen Sound N4K 6H6
Tel.: 519/371-2901

Clinton Sub-District Office
c/o Ministry of
Agriculture and Food
Box 688
Clinton N0M 1L0
Tel.: 519/482- 3428

WEST CENTRAL REGION

Hamilton Regional Office,
119 King St. W.,
Hamilton L8N 3Z9
Tel.: 416/521-7640

Cambridge District Office,
400 Clyde Rd.,
Cambridge N1R 5W6
Tel.: 519/623-2080

Welland District Office,
637-641 Niagara St. N.,
Welland L3C 1L9
Tel.: 416/735-0431

CENTRAL REGION

Toronto Regional Office,
7 Overlea Blvd., 4th Floor,
Toronto, Ontario M4H 1A8
Tel.: 416/424-3000

Barrie District Office,
12 Fairview Rd.,
Barrie L4N 4P3
Tel.: 705/726-1730

Muskoka-Haliburton
District Office,
Gravenhurst P0C 1G0
Tel.: 705/687-3408

Peterborough District Office,
139 George St. N.,
Peterborough K9J 3G6
Tel.: 705/743-2972

Halton-Peel District Office
1226 White Oaks Blvd.,
Oakville L6H 2B9
Tel.: 416/844-5747

SOUTHEASTERN REGION

Kingston Regional Office,
133 Dalton Ave.,
Kingston K7L 4X6
Tel.: 613/549-4000

Ottawa District Office,
2378 Holly Lane,
Ottawa K1V 7P1
Tel.: 613/521-3450

Cornwall District Office,
4 Montreal Road,
Cornwall K6H 1B1
Tel.: 613/933-7402

Belleville Sub-District Office,
15 Victoria Ave.,
Belleville K8N 1Z5
Tel.: 613/962-9208

Pembroke Sub-District Office,
1000 MacKay St.,
Pembroke K8A 6X1
Tel.: 613/732-3643

NORTHEASTERN REGION

Sudbury Regional Office,
199 Larch St.,
Sudbury P3E 5P9
Tel.: 705/675-4501

Timmins District Office,
83 Algonquin Blvd. W.,
Timmins P4N 2R4
Tel.: 705/264-9474

Sault Ste. Marie District Office,
445 Albert St. E.,
Sault Ste. Marie P6A 2J9
Tel.: 705/949-4640

North Bay District Office,
1500 Fisher St.,
Northgate Plaza,
North Bay P1B 2H3
Tel.: 705/476-1001

Parry Sound Sub-District Office,
74 Church St.,
Parry Sound P2A 1Z1
Tel.: 705/746-2139

NORTHWESTERN REGION

Thunder Bay Regional Office,
435 James St. S.,
Thunder Bay P7C 5C6
Tel.: 807/475-1205

Kenora District Office,
808 Robertson St.,
Kenora P9N 1X9
Tel.: 807/468-5578

**Ministry District offices are also located at Regional Office locations.*

1983-84 Assistance Program

During the 1983-84 fiscal year, Ontario municipalities completed an estimated $600 million of water and sewage works construction. The various assistance programs administered by the Ministry of the Environment (see Table I) contributed over $130 million of this figure.

This is seen in more detail in Table II, which spells out the six Ministry Regions and the number of projects that received financial help.

The Tables that follow, detail the types of projects undertaken last year.

TABLE I
1983-84 Financial Summary

Financial Category	Expenditure ($ Millions)
1. Disbursements	
– Regular	68.284
– Loans	0.061
	68.345
2. Transfer Payments	
– Up-Front Grants	46.488
– Private Systems	3.593
– Canada/Ontario Agreement Sewage Program (COASP)*	4.402
– Special Recovery Capital Projects Program (SRCPP)*	1.702
– Water Tanks Engineering	0.097
	56.282
3. Regional Priorities**	1.809
4. Board of Industrial Leadership and Development (BILD)***	5.968
	7.777
	132.404

* Federal Programs
** Ministry of Northern Affairs Program (Provincial)
*** Provincial Program

Brief explanations of the above financial categories are provided in the appendix, page 38.

TABLE II
Specific Activities in 1983-84
(Brief overall summary)

MOE Regions	Number of Water & Sewage Projects Assisted	Amount of Assistance ($ Millions)
Southwestern	60	18.307
West Central	62	9.837
Central	107	63.952
Southeastern	87	14.670
Northeastern	75	14.433
Northwestern	42	11.107
Miscellaneous		
Concrete Water Tanks Engineering		0 097
TOTAL	433	132.404

Glossary of Codes, Terms, Definitions

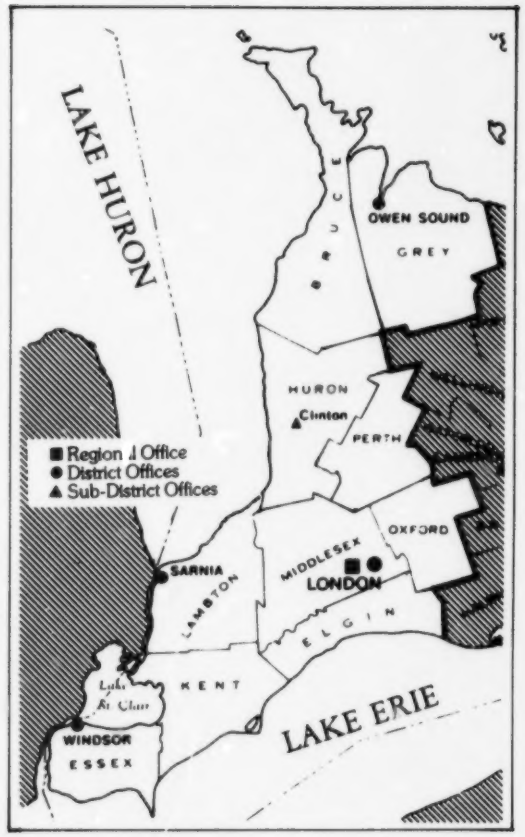
Municipal Abbreviations

T	— Town	RM	— Regional Municipality
Twp	— Township	ID	— Improvement District
V	— Village	C	— City

Funding Source:

DR	— MOE Disbursements, Regular
DL	— MOE Disbursements, Loans
UG	— MOE, Up-Front Grants
PS	— MOE, Private Systems Grants
BILD	— Board of Industrial Leadership and Development Grants
RPB	— MNA Regional Priorities, Grants
COASP	— Canada/Ontario Agreement Sewage Program (Federal), Grants
SRCPP	— Special Recovery Capital Projects Program (Federal), Grants

SOUTHWESTERN REGION
985 Adelaide St. South
London, Ontario
N6E 1V3
Tel: (519) 681-3600



Southwestern Region

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Alvinston V.	13-001-82 1-0353-02	Sewage Treatment System, Pumping Stations, Forcemain and Sanitary Sewers	.299 .080	COASP DR
Amherstburg T	3-0234-60 3-0234 13-124-82	Sewage Treatment Plant Extension	.205 .822 .096	BILD UG COASP
Anderdon Twp.	1-0253-3A 1-0253-3B	Sanitary Sewers and Pumping Station (Edgewater Beach Area)	.260	DR
Anderdon/ Colchester North Twps.	1-0247-01 1-0247-02	Sewage Lagoon, Pumping Station, Forcemain and Sanitary Sewers (McGregor)	.407	DR
Blenheim T	13-059-82	Sewage Lagoon Improvements	.008	COASP
Blyth V.	1-0327-01	A 0.161 MGD Sewage Treatment Plant and Pumping Station	.011	DR
Blandford/ Blenheim Twp.	1-0032	Engineering for Sewage Works	.001	DR
Brussels V.	1-0307-01	A 0.194 MGD Sewage Treatment Plant and Pumping Station	.023	DR
Chatsworth V.	7-0069	Water Treatment Facilities, Pumping Station and Distribution System	.570	UG
Chesley T	3-0080-1	Sewage Lagoon and Pumping Station	.025	UG
Chesley T	13-072-82	Aeration and Upgrading of Existing Sewage Lagoons	.016	COASP
Collingwood Twp.	3-0174-60 7-0242-60	Sewage Treatment Plant, Pumping Station, Forcemain and Sanitary Sewers	1.710	BILD
Collingwood Twp.	3-0174 7-0242	Water Supply and Distribution System	.167	UG

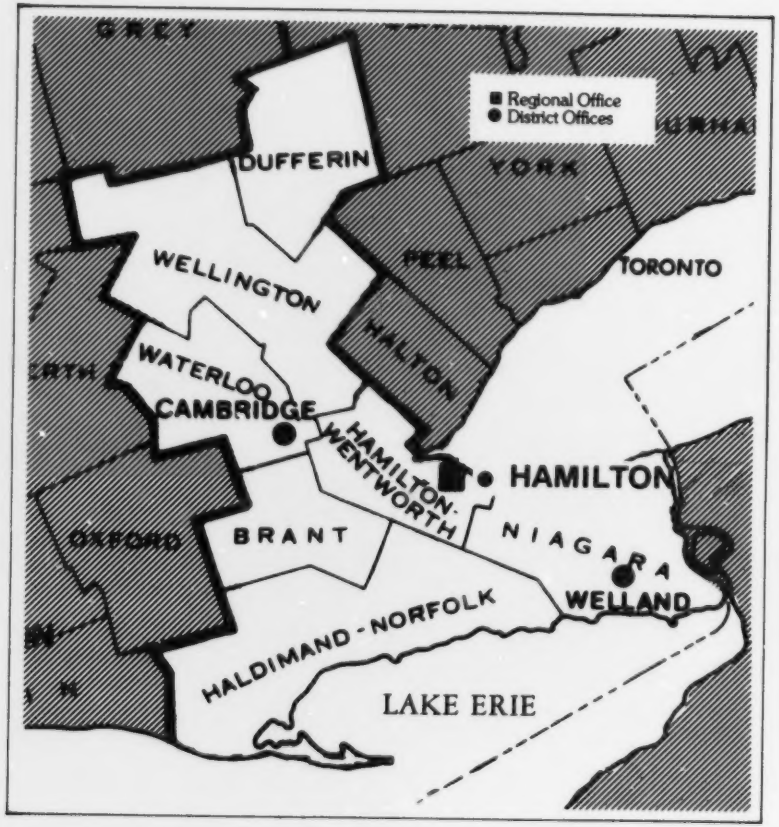
Funding Legend — DR — MOE Disbursements, Regular
DL — MOE Disbursements, Loans
UG — MOE, Up-Front Grants
PS — MOE, Private Systems Grants
BILD — Board of Industrial Leadership and Development Grants
RPB — MNA Regional Priorities, Grants
COASP — Canada/Ontario Agreement Sewage Program (Federal), Grants
SRCPP — Special Recovery Capital Projects Program (Federal), Grants

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Delaware Twp.	5-0229-01 -02 -03	Water Distribution System, Standpipe and Pumping Station	.291	DR
Dundalk V.	3-0189	Expansion of Sewage Lagoon, Pumping Station and Forcemain	.408	UG
East Lambton	5-0184	Engineering Fees — Area Scheme (Water Works)	.002	DR
Erieau V and Erie Beach V.	5-0235 5-0235	Water Supply System	.019	DR
Essex T	1-0056-01 -02 -3A -4A, 4B -05	Sewage Lagoon, Pumping Station and Forcemain	3.674	DR
Exeter T	3-0202	Sewage Treatment Plant Expansion and Upgrading of William St. Pumping Station	.188	UG
Glencoe V.	7-0021	West Lorne Water Supply System	.038	UG
Goderich Twp.	3-0132	Sewage Treatment Plant Expansion	.193	UG
Grand Bend V.	1-0271-03	Sewage Collection System	.011	DR
Kingsville T	3-0217	Increased Capacity for Sewage Lagoon and Pumping Stations	.396	UG

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Lake Huron Area Water Supply	5-0001-02	Engineering for future works	.533	UG
Listowel T	3-0083	Sewage System Extensions	.010	UG
London C	3-0197	Greenway Pollution Control Plant Expansion to 33.3 MGD	.173	UG
Lucan V.	3-0191	Sewage System Improvements	.060	UG
Maidstone Twp.	7-0199	Extensions to Water Distribution System and Storage	.440	UG
Malahide Twp.	7-0400	Water Distribution System (Port Bruce)	.239	UG
North Dorchester Twp.	7-0027	Private Sewage Systems Study on Hamilton Rd., and Catherine St. (Dorchester)	.173	PS
North Dorchester Twp.	7-0459	Catherine St. Watermain Replacement (Dorchester)	.019	UG
Petrolia T	7-0474	Modification of Water Treatment Plant to 1.68 MGD	.230	UG
Parkhill T	5-0005	Watermain Extensions	.011	DR
Port Burwell V	1-0337-1	Pumping Station and Storm and Sanitary Sewers	.918	DR
Ridgetown T	7-0202	Water Reservoir and High Lift Pumping Station	.012	UG
Rochester Twp.	7-0167	Watermain Extensions	.035	UG
Sandwich West Twp.	7-0456	200mm Watermain on Disputed Road	.039	UG
Sandwich West Twp.	7-0465-60	Trunk Watermain on Canard Drive	.010	BILD
Sandwich West Twp.	1-0206-01-1 -06 -07	Sewage Treatment Facilities, Pumping Station and Sewers	.033	DR
Sandwich South Twp.	7-0483	Watermain Extension (Tecumseh)	.026	DR
Sarawak Twp.	7-0398	Watermain on 20th St. and 9th Ave.	.006	UG
Stephen Twp.	7-0240 7-0241	Water Supply Facilities and Water Distribution System (Crediton and Centralia)	.049	UG
St. Thomas C.	13-055-82	Mill Creek Ravine Sanitary Trunk Sewer Between 5th Ave. and CNR	.003	COASP
Tara V.	1-0292	Sewage Works	.015	DR
Union Area W.S.S.	6-0283-01 -02	Watermains and Water Tanks, Footing Repairs — Area Scheme	.014	DR

Funding Legend — DR — MOE Disbursements, Regular
DL — MOE Disbursements, Loans
UG — MOE, Up-Front Grants
PS — MOE, Private Systems Grants
BILD — Board of Industrial Leadership and Development Grants
RPB — MNA Regional Priorities, Grants
COASP — Canada/Ontario Agreement Sewage Program (Federal), Grants
SRCPP — Special Recovery Capital Projects Program (Federal), Grants

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Tecumseh T	1-0155	Sewage Works	.726	DR
Thornbury T	5-0062-02-05	Extension to Primary Water Works	.049	DR
Tilbury T.	3-0186	Sewage Treatment Facilities Extension	.174	UG
Tiverton V.	4-0070	Private Sewage Systems Study	.006	PS
Wallaceburg T	3-0342-60	Extension of Sewage Treatment Facilities	.043	BILD
Wheatley V. and Romney Twp.	1-0228-01 -01 -2A – 2B -03 -04 -5A – 5B	Sewage Treatment Plant, Pumping Station and Sewers	4.324	DR
Windsor C	13-047-82	Grand Marais Trunk Sanitary Sewer Phase IV	.040	COASP
Windsor C.	13-048-82	Central Avenue Sub-Trunk Sanitary Sewer	.002	COASP
Windsor C	13-049-82	Plymouth — Pillette Sub-Trunk Sanitary Sewer	.020	COASP
Windsor C	13-050-82	Lennon Trunk Sanitary Sewer Phase IIA and IIB	.113	COASP
Wingham T.	7-1015	Water Tank Rehabilitation	.060	UG
TOTAL, SOUTHWESTERN		60 Water and Sewage Projects	18.307	



WEST CENTRAL REGION
P.O. Box 2112
119 King Street West
Hamilton, Ontario
L8N 3Z9
Tel: (416) 521-7640

West Central Region

Funding Legend — DR — MOE Disbursements, Regular
DL — MOE Disbursements, Loans
UG — MOE, Up-Front Grants
PS — MOE, Private Systems Grants
BILD — Board of Industrial Leadership and Development Grants
RPB — MNA Regional Priorities, Grants
COASP — Canada/Ontario Agreement Sewage Program (Federal), Grants
SRCPP — Special Recovery Capital Projects Program (Federal), Grants

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Drayton V.	3-0150	Sewage Lagoon, Pumping Station, Forcemain and Sewers	.305	MOE/UG
Drayton V.	7-0246	Complete Water Supply and Distribution System	.059	MOE/UG
Flamborough Twp.	8-0051	Private Water Supply Systems Study (Sheffield)	.009	MOE/PS
Fort Erie T.	1-0277-09 -10 -11	Storm and Sanitary Sewers and System Rehabilitation (West Bertie)	1.787	MOE/DR
Grimsby T.	1-0304-06 -07	Sanitary Sewers in West End	.118	MOE/DR
Guelph C.	3-0320-60	New inlet works at the sewage treatment plant	.378	MOE/BILD
Guelph C.	3-0319-60	Sludge Dewatering facilities at the Sewage Treatment Plant	.215	MOE/BILD
Haldimand — Norfolk RM	5-0213-01 -04 -05	Water Distribution System Standpipe, Water Pumps, Instrumentation and Telemetry — Area Scheme	.126	MOE/DR
Hamilton C.	1-0215	Sewage Treatment Plant Expansion	.030	MOE/DR
Hamilton — Wentworth RM	13-044-82	Q.E.W. Sanitary Trunk From Fruitland Rd. to Jones Rd. (Stoney Creek)	.009	MOE/COASP
Hamilton — Wentworth RM	13-045-82	Q.E.W. Sanitary Trunk Sewer from Jones Rd. to Glover Rd. (Stoney Creek)	.008	MOE/COASP
Hamilton — Wentworth RM	3-0195	Q.E.W. 1350mm Sanitary Trunk Sewer from Glover Rd., to Lewis Rd. (Stoney Creek)	.128	MOE/UG
Hamilton — Wentworth RM	3-0218	Woodward Ave. — Sewage Treatment Plant Phase II Expansion	1.127	MOE/UG
Hamilton — Wentworth RM	7-0206	300/400mm Watermains King Street (Dundas)	.003	MOE/UG
Hamilton — Wentworth RM	7-0266	Pumping Station WH 18 (Ancaster)	.054	MOE/UG

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Hamilton — Wentworth RM	7-0267	Reservoir WH 18 (Ancaster)	.278	UG
Hamilton — Wentworth RM	7-0325	Watermains on T.H. and B Right of Way (Ancaster)	.007	UG
Hamilton — Wentworth RM	7-0416	600mm Trunk Watermain on Dewitt Rd. (Stoney Creek)	.024	UG
Hamilton — Wentworth RM	13-112-82	Trunk Sewers on Q.E.W. (Stoney Creek)	.152	COASP
Hamilton — Wentworth RM	13-114-82	Sewage Pumping Station and Forcemain (Ancaster)	.053	COASP
Harriston T.	3-0285	Sewage Treatment Works Expansion	.236	UG
Niagara RM	13-121-82 3-0360-60	Trunk Sewer on Stanley Ave. (Niagara Falls)	.039 .026	COASP BILD
Niagara RM	3-0064	Sewage Treatment Plant Expansion (Port Colborne)	.088	UG
Niagara RM	7-0048	Water Treatment Plant Expansion (Welland)	.080	UG
Niagara RM	7.0053	Elevated Water Storage Tank (Thorold)	.008	UG
Niagara RM	7-0099	Trunk Watermain (Welland Area)	.013	UG
Niagara RM	7-0166	Trunk Watermain — Irvine Rd. and Hwy. #55 (Niagara-on-the-Lake)	.008	UG
Niagara RM	7-0294	Watermain (Stevensville)	.012	UG
Niagara RM	7-0473	400mm Trunk Watermains — Ontario St., and Green Lane (Vineland Area)	.097	UG

Funding Legend — DR — MOE Disbursements, Regular
DL — MOE Disbursements, Loans
UG — MOE, Up-Front Grants
PS — MOE, Private Systems Grants
BILD — Board of Industrial Leadership and Development Grants
RPB — MNA Regional Priorities, Grants
COASP — Canada/Ontario Agreement Sewage Program (Federal), Grants
SRCPP — Special Recovery Capital Projects Program (Federal), Grants

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Niagara RM	7-0475	750mm Trunk Watermain Crossing of Welland Canal (Welland)	.046	UG
Niagara RM	7-0476	150mm, 600mm, 750mm and 900mm Trunk Watermains (St. Catharines)	.067	UG
Niagara RM	5-0250-02 -35 -04	Sewage Treatment Plant and Pumping Station (Welland)	.019	DR
Niagara RM	15-003	Sewage Treatment Plant Expansion (Niagara Falls)	.284	SRCPP
Niagara-on-the-Lake T.	3-0369	230m of Sanitary Trunk Sewer (Glendale Area)	.008	UG
Niagara-on-the-Lake T.	4-0087	Private Sewage Disposal Systems Study (Queenston)	.027	PS
Nichol Twp.	3-0030	Low Pressure Sewer System (Salem)	.028	UG
Oakland Twp.	8-0081	Private Water Supply Systems Study (Oakland)	.034	PS
Orangeville T	3-0266	Water Pollution Control Plant Expansion to 3.2 MGD.	.014	UG
Orangeville T.	3-0335-60	Water Pollution Control Plant Expansion	.838	BILD
Orangeville T.	3-0349	Water Pollution Control Plant Expansion to 3.2. MGD	1.000	UG
Palmerston T.	3-0076-03 -04	Sanitary Sewer Rehabilitation Program	.621	UG

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Paris T.	13-018-82	Sewage Treatment Plant Expansion	.064	COASP
Paris T.	3-0058-1 -2	Sanitary and Storm Sewers (South Ward)	.098	UG
Paris T.	7-0201-0 -1	Watermain Extensions (South Ward)	.023	UG
Pelham T.	13-042-82	Sanitary Sewers, Forcemain and Pumping Station (Fonthill)	.156	COASP
Port Colborne C.	3-0204	New Sewage Pumping Station on Elm St.	.011	UG
Waterloo RM	3-0093 13-0126	Sewage Treatment Plant Extension to 1.0 MGD. (Elmira)	.457 .362	UG COASP
Waterloo RM	7-0088-60-61	24" and 36" Watermain on Northfield Drive	.014	BILD
Waterloo RM	7-0156	Pompei Site Well Development	.028	UG
Waterloo RM	7-0212	Water System — Woolner Site Development (Kitchener)	.017	UG
Waterloo RM	7-0214	Standpipe — Pinebush	.016	UG
Waterloo RM	7-0216	24" Watermain on Victoria St.	.006	UG
Waterloo RM	7-0217	18" Watermain on Water St.	.001	UG
Waterloo RM	7-0218	18" Watermain on Lancaster St.	.001	UG
Waterloo RM	7-0284-60-02	New Hamburg Standpipe Stage II	.009	BILD
Waterloo RM	7-0302-07	Cambridge Supervisory & Control Instruments	.006	UG
Waterloo RM	7-0323	18" Watermain on Bridge St.	.001	UG
Waterloo RM	7-0440-60	18" Watermain on Franklin Blvd. (Cambridge)	.020	BILD
Waterloo RM	7-0441-60	16" Watermain on Coronation Blvd.	.007	BILD
Waterloo RM	7-0442-60	24" Watermain on Kitchener	.024	BILD
Waterloo RM	7-0443-60	Relining and Cleaning of Watermains	.022	BILD
Wellesley Twp.	8-0008	Private Water Supply Systems Study (Lynnwood)	.040	PS
Woodhouse Twp.	1-0181	Sewage Works (Port Dover)	.005	DR
TOTAL,WEST CENTRAL		62 Water and Sewage Projects	9.837	

CENTRAL REGION
7 Overlea Blvd.
4th Floor
Toronto, Ontario
M4H 1A8
Tel: (416) 424-3000

Central Region

Funding Legend —
DR — MOE Disbursements, Regular
DL — MOE Disbursements, Loans
UG — MOE, Up-Front Grants
PS — MOE, Private Systems Grants
BILD — Board of Industrial Leadership and Development Grants
RPB — MNA Regional Priorities, Grants
COASP — Canada/Ontario Agreement Sewage Program (Federal), Grants
SRCPP — Special Recovery Capital Projects Program (Federal), Grants

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Barrie C.	7-0219	Water Works Expansion	.049	UG
Belmont and Methuen Twp.	7-0451	Watermain Extension on Concession St.	.042	UG
Bicroft ID	7-0357	Watermain and Pumping Station	.025	UG
Bobcaygeon. V.	1-0136	Sewage Treatment Plant, Pumping Station, Forcemain and Trunk Sanitary Sewers		
	5-0006	Water Supply System, Pumping Station and Watermains	.126	DR
Bradford T.	3-0061	Sewage Treatment Plant Extension and Improvements to Main Pumping Station	.412	UG
Bradford T.	3-0200	Sewage Treatment Plant Expansion and Phosphorus Removal	.083	UG
Campbellford T.	7-1011	Water Tank Rehabilitation	.026	UG
Clarkson Liquid Waste	1-0243	Site Improvements	.013	DR
Cobourg T.	7-0370 7-0148	Elevated Water Storage Tank and Chemical Feed Building	.007	UG
Colborne V.	1-0282-02 1-0282-03 1-0282-04	Sewage Treatment Plant and sewers	.350	DR
Collingwood T.	13-075-82	Sewage Treatment Plant Expansion	.039	COASP
Durham RM	13-043-82	Sanitary Sewer on Wilson Rd. (Oshawa)	.002	COASP
Durham RM	3-0126-60 13-119-82	Render Ave. Diversion Sewer (Bowmanville-Newcastle)	.022 .016	BILD COASP
Durham RM	3-0158-60 13-122-82	Pringle Corbett Diversion Sewer, Pumping Station and Breakwater	.316 .263	BILD COASP
Durham RM	3-0236	Sludge Holding Tank and Sewer for Harmony Creek Sewage Treatment Plant (Oshawa)	.003	UG
Durham RM	3-0318-60	Sanitary Sewer Replacement (Oshawa)	.112	BILD
Durham RM	7-0261	Watermain on Scugog and Wellington Streets (Bowmanville-Newcastle)	.039	UG
Durham RM	7-0272	Pontiac Ave. Watermain	.001	UG
Durham RM	7-0359	300 mm. Watermain on Main St. (Uxbridge)	.002	UG

Funding Legend — DR — MOE Disbursements, Regular
DL — MOE Disbursements, Loans
UG — MOE, Up-Front Grants
PS — MOE, Private Systems Grants
BILD — Board of Industrial Leadership and Development Grants
RPB — MNA Regional Priorities, Grants
COASP — Canada/Ontario Agreement Sewage Program (Federal), Grants
SRCPP — Special Recovery Capital Projects Program (Federal), Grants

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Durham RM	7-0371-60	Trunk Watermain on Highway #7 (Port Perry)	.033	BILD
Durham RM	7-0365-60	Trunk Watermain on Bloor St. from Thickson Rd. to 1400 m. Easterly (Whitby)	.009	BILD
Durham RM	7-0273-60	300 mm Watermain on Simcoe St. from Beaverton Water Plant to the Brock Standpipe (Beaverton)	.056	BILD
Essa Twp.	1-0244	Sewage Works System (Angus)	.060	DR
Essa Twp.	7-0397	Improvements of McGeorge Subdivision Water Supply and Distribution System (Angus)	.043	UG
Georgina Twp.	1-0202	Sewage Treatment Plant, Pumping Station, Outfall Sewer and Forcemain		
	5-0103	Water Treatment Plant, Storage Facilities and Feedermains	3.763	DR
Georgina Twp.	7-0467-60	Trunk Watermain on Black River Road	.029	BILD
Halton RM	3-0165-01 3-0165-02	750 mm. and 900 mm. Trunk Sewer — South East of Sewage Treatment Plant to Beryl Rd. — Stages I & II (Oakville)	.016	UG
Halton RM	3-0241-01	Sewage Pumping Station — Pinedale Area	.067	UG
	3-0241-02	400 mm and 450 mm Sanitary Sewers and Forcemain (Burlington)		
Halton RM	3-0363-60	Trunk Sewage Pumping Station at Coronation Park and Hixon St. E. (Oakville)	.044	BILD
Halton RM	7-0134-5	Second Stage Water Treatment Plant Expansion and Renovation — (Oakville)	.039	UG
Halton RM	7-0223-60	Alterations to 8th Line Booster Station (Oakville)	.027	BILD
Halton RM	7-0310-1-5	Burlington Water Purification Plant Expansion — Phase I	.114	UG
Hastings V	7-0030	Water Treatment Plant	.010	UG

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Innisfil Twp.	3-0087	Sewage Pumping Station, Forcemain and Sanitary Sewers	4.155	UG
Innisfil Twp.	8-0080	Private Water Supply Systems Study (Alcona and Bell Ewart Area)	.047	PS
Lakefield V	7-0177	Water Treatment Plant Expansion and Modification	.039	UG
Lakefield V	2-0640-01	Refinancing of Sewage Works	.132	DR
Markham T.	3-0331	McCowan Sanitary Rd. Trunk Sewer (Study Area 1-A-83-1)	.234	UG
Markham T.	3-0332	Hwy. #48 Sanitary Trunk Sewer (Study Area 1-A-83-2)	.423	UG
Markham T.	3-0333-60	Warden Ave. Sanitary Trunk Sewer (Study Area 1-C-83-4)	.315	BILD
Markham T.	3-0334-60	Trunk Sanitary Sewer — Hwy. #7 and Rouge River (Study Area 1-C-83-5)	.171	BILD
Markham T.	7-0421	Denison St. Trunk Watermain (Study Area 1-A-83-3)	.219	UG
Markham T.	7-0422-60	Trunk Watermain — Hwy. #7 (Study Area 1-C-83-6)	.155	BILD
Markham T.	7-0471-60	Trunk Watermains at Woodbine Ave. and 16th Ave., West	.151	BILD
Medonte Twp.	7-0463-60	30,000 Imp. Gallon Capacity Reinforced Concrete Water Tank for the Westminster Cistern Expansion	.010	BILD
Muskoka DM.	3-0149	Hidden Valley Area Sewage Works	.210	UG
Muskoka DM.	3-0193	Extension of Sewer System (Bracebridge)	.187	UG
Muskoka DM.	7-0197	Water Treatment Plant, Water Storage Standpipe and Watermains (Bracebridge)	.292	UG
Muskoka DM.	7-0200	Hidden Valley Area Water Works	.153	UG
Newcastle T.	8-0092	Private Water System Study	.052	PS
Orillia C.	3-0281	Sewage Treatment, Plant Expansion, Phosphorus Removal	.103	UG
Orillia C.	3-0345 13-120-82	Water Pollution Control Plant Expansion, Phosphorus Removal	.016 .019	UG COASP
Orillia C.	7-0423-60	Water Reservoir and Trunk Watermain on Rosemary Rd. for Pressure Zone 1.	.070	BILD
Orillia C.	7-1006	Water Tank Rehabilitation	.168	UG

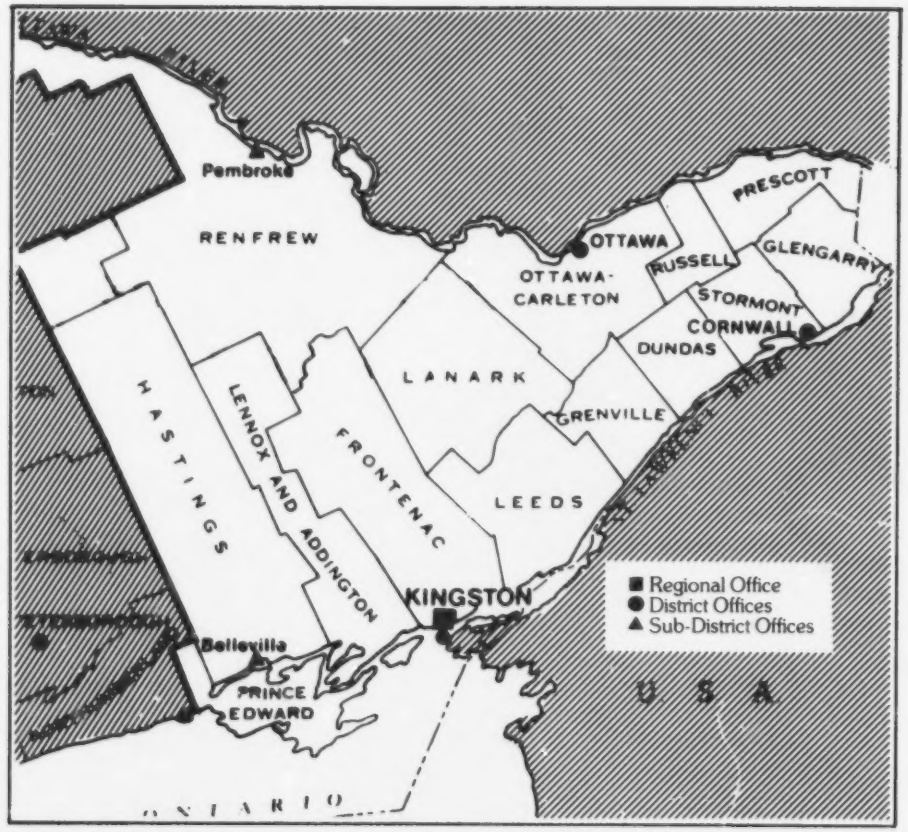
MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Orillia Twp.	3-0153	Sewage Pumping Stations, Forcemains and Sanitary Sewers (Washago)	.692	UG
Orillia Twp.	7-0182	Water Supply Facilities and Watermains (Washago)	.273	UG
Peel RM.	3-0089-03	Sanitary Trunk CPR Interceptor Sewer, Phase III (Mississauga)	.203	UG
Peel RM.	3-0167	Sanitary Trunk Sewer (Brampton East)	.035	UG
Peel RM.	3-0203-01	Fletcher Creek Sanitary Trunk Sewer (Brampton)	.078	UG
Peel RM.	7-0225-03	900 mm. Watermain on Steeles Ave., Phase III (Brampton)	.090	UG
Peel RM.	7-0279-60	400 mm. Watermain (Bolton)	.083	BILD
Peel RM.	7-0346-60	Inground Water Storage Reservoir (Caledon E.)	.103	BILD
Peel RM.	3-0203	Sanitary Trunk Sewer Fletcher Creek, Contract II (Mississauga)	.270	UG
Penetanguishene T.	3-0372	Sewage Pumping Station, Forcemain and Sanitary Sewers on Fox and Don Streets	.263	UG
Percy Twp.	3-0182 13-109-82	Sewage Lagoon, Pumping Station, Forcemains and Sanitary Sewers (Warkworth)	.820 .597	UG COASP
Peterborough C.	7-0431-60	600 mm. and 500 mm. Trunk Watermain Extension on the Parkway	.055	BILD
Peterborough C.	7-0432-60	Ashburnham Dr. Trunk Watermain	.017	BILD
Pickering Twp.	8-0087	Private Water Supply System Study (Claremont)	.067	PS
Port McNicoll V.	3-0379	Repairs to Manhole and Rehabilitation of Sanitary Sewer System	.015	UG
Richmond Hill Twp.	3-0343	Crosby Ave. Sewage Collection System	.010	UG
Scugog Twp.	8-0049	Repair or Replacement of Private Water Systems (Manchester)	.027	PS
Scugog Twp. (Greenbank)	8-0061	Private Water Supply Systems Study (Greenbank)	.035	PS
Smith Twp.	4-0016 8-0012	Repair or Replacement of Private Sewage and Water Systems (Bridgenorth)	.356	PS
South Peel Area	3-0053 7-0020	South Peel Subsidy	2.879	UG

Funding Legend — DR — MOE Disbursements, Regular
DL — MOE Disbursements, Loans
UG — MOE, Up-Front Grants
PS — MOE, Private Systems Grants
BILD — Board of Industrial Leadership and Development Grants
RPB — MNA Regional Priorities, Grants
COASP — Canada/Ontario Agreement Sewage Program (Federal), Grants
SRCPP — Special Recovery Capital Projects Program (Federal), Grants

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
South Peel Area	1-0056-16 1-0056-17 1-0056-19 1-0056-21 1-0056-22 1-0056-23	Sewage Treatment Plant Supervisory Control System Thermal Conditioning System Sludge Facilities and Odour Control-Area Scheme	13.452	DR
South Peel Area	5-0020-28 5-0020-29 5-0020-30 5-0020-31 5-0020-32 5-0020-34	Water Treatment Plant, Super-Chlorination, Feedermains at Lakeview and Brampton Areas — Area Scheme	4.891	DR
Stayner T.	3-0200	Extensions to the Sanitary Sewer System	.114	UG
Toronto Metro	3-0100-04	Raw Sewage Conduits at Main Sewage Treatment Plant	.138	UG
Toronto Metro	3-0110	Sludge Pumping Facilities at Humber Sewage Treatment Plant	.015	UG
Toronto Metro	3-0113	Supervisory Control System for Mid-Toronto Interceptor Sewer	.010	UG
Toronto Metro	3-0168	Meadowvale Sanitary Trunk Sewers, Stage IV	.009	UG
Toronto Metro	3-0207	Humber Sewage Treatment Plant-Fine Bubble Aeration	.249	UG
Toronto Metro	3-0211	Main Sewage Treatment Plant — Sludge Dewatering Stage II	.165	UG
Toronto Metro	3-0271	Bermondsey Storm Sewer, Humber Forcemain and North Toronto Storm Sewer	.067	UG
Toronto Metro	3-0206	Improvements at Highland Creek Sewage Treatment Plant	.015	UG
Toronto Metro	3-0304	Main Sewage Treatment Plant Waste, Heat Treatment Building Super-Structure	1.611	UG
Toronto Metro	7-0076	Surge Protection at Ellesmere Water Pumping Station	.027	UG
Toronto Metro	7-0078-03	750 mm. Watermain from Easterly Plant	.035	UG

Funding Legend — DR — MOE Disbursements, Regular
DL — MOE Disbursements, Loans
UG — MOE, Up-Front Grants
PS — MOE, Private Systems Grants
BILD — Board of Industrial Leadership and Development Grants
RPB — MNA Regional Priorities, Grants
COASP — Canada/Ontario Agreement Sewage Program (Federal), Grants
SRCPP — Special Recovery Capital Projects Program (Federal), Grants

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Toronto Metro	7-0086	Watermains — John St. Pumping Station to Rosehill and to Spadina-Bloor	.014	UG
Toronto Metro	3-0300-02	Process Control System at Highland Creek Sewage Treatment Plant	.008	UG
Toronto Metro	7-0086-1	1,200 mm. Watermains on Front Street from Simcoe to Scott Street	.039	UG
Toronto Metro	7-0375-60	Additional Pumping Equipment for Lawrence and Kennedy Pumping Station	.032	BILD
Toronto Metro	7-0376	Modifications at John Street Water Pumping Station	.008	UG
Toronto Metro	7-0436	1650 and 1350 mm. Watermain on Humberside Avenue	.269	UG
Toronto Metro	7-0464-60	750 mm. Watermain on Neilson Road	.195	BILD
Victoria Harbour V.	7-0291	Highway 12 Watermain	.005	UG
Victoria Harbour V. and Tay Twp.	1-0329 1-0358-02 1-0358-04 1-0358-05	Sewage Treatment Plant, Forcemain, Pumping Station and Sanitary Sewers	1.249	DR
Victoria Harbour V.	5-0011-04	Engineering for trunk watermain (Port McNicoll)	.009	DR
Wasaga Beach T.	2-0337 6-0286	Sewage Treatment Plant, Pumping Stations and Sanitary Sewers. Water Systems	1.096	DR
York RM.	7-0144-60	Stouffville Well #3	.033	BILD
York RM.	7-0394-60	Elevated Water Storage Facility (Aurora)	.104	BILD
York RM.	7-0146-60	Water Storage Facility (Sutton)	.086	BILD
York-Durham	1-0106 5-0039	Provincial Sewage and Water Works — Area Scheme	19.368	DR
TOTAL, CENTRAL		107 Water and Sewage Projects	63.952	



SOUTHEASTERN REGION
P.O. Box 820
133 Dalton Avenue
Kingston, Ontario
K7L 4X6
Tel: (613) 549-4000

Southeastern Region

Funding Legend — DR — MOE Disbursements, Regular
DL — MOE Disbursements, Loans
UG — MOE, Up-Front Grants
PS — MOE, Private Systems Grants
BILD — Board of Industrial Leadership and Development Grants
RPB — MNA Regional Priorities, Grants
COASP — Canada/Ontario Agreement Sewage Program (Federal), Grants
SRCPP — Special Recovery Capital Projects Program (Federal), Grants

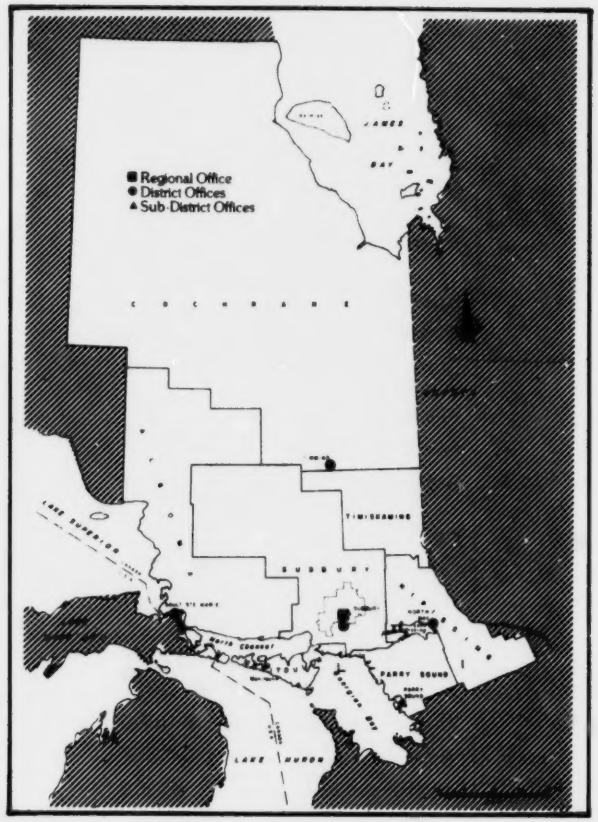
MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Alfred Twp. (Lefaivre)	4-0055	Private Sewage Systems Improvements (Lefaivre)	.070	PS
Athens V.	4-0058 8-0039	Upgrading of Private Sewage and Water Facilities	.225	PS
Bancroft V.	7-0010	Water Treatment Intake, Storage Facilities and Distribution System Improvements	1.112	UG
Bastard and South Burgess Twp.	8-0076	Private Water Supply Systems Rehabilitation Study (Delta)	.074	PS
Belleville C	1-0004-01 -04 -05	Sewage Treatment Plant, Extension, Trunk Sewers and Pressure Sewer Connections	5.509	DR
Braeside V	4-0050/ 8-0034	Private Sewage and Water Systems Improvements	.053	PS
Brudenell & Lyndoch Twp.	8-0075	Private Sewage and Water Supply Systems Improvements (Quadeville)	.096	PS
Cambridge Twp.	7-0024	Well Pumping Station, Reservoir, Supply Line and Distribution System to Service Forest Park Area	.123	UG
Carleton Place T	3-0148	Rehabilitation and Replacement of Sanitary Sewers	.045	UG
Carleton Place T	7-0184	Water Treatment Plant, Water Storage Tank and Distribution System	.478	UG
Chalk River V.	7-0155	New Water Supply Facility	.280	UG
Chalk River V.	6-0726	Loan Assistance (Water Project) DG-#7-0155	.061	DL
Clarence Twp.	4-0008	Private Sewage Systems Improvements (Bourget)	.003	PS
Clarence Twp.	4-0009	Private Sewage Systems Improvements (Hammond)	.027	PS
Clarence Twp.	4-0040	Private Sewage Systems Improvements (Clarence Creek)	.055	PS

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Clarence Twp.	6-0242-18	Water Filtration Plant (Clarence Creek)	.040	DR
Cobden V.	1-0230 5-0122 (2-0742/6-0740)	Refinancing Sewage and Water Works	.149	DR
Cornwall Twp.	8-0088	Private Water Supply Facilities Study (Rosedale Subdivision)	.035	PS
Deloro V.	4-0017	Private Sewage Systems Study	.001	PS
East Hawkesbury Twp.	4-0007 4-0006 8-0004 8-0003	Private Sewage and Water Works Improvements (St. Anne de Prescott and St. Eugene)	.342	PS
East Hawkesbury Twp.	8-0002 4-0002	Private Sewage and Water Works Study (Chûte à Blondeau)	.024	PS
Edwardsburgh Twp.	8-0082	Private Water Systems Study (Spencerville)	.097	PS
Eganville V.	3-0185	Sewage Service Extension to Wallace and Reglin Streets	.008	UG
Eganville V	1-0007 (2-0770)	Refinancing Water Works	.155	DR
Elizabethtown Twp.	3-0368	Sewage Pumping Station, Emergency Holding Tank and 220m of 100mm Sewage Forcemain (Oxford Acres Mobile Home Park)	.067	UG
Finch Twp.	4-0079 8-0068	Private Sewage and Water Systems Study (Chrysler)	.043	PS
Finch V.	5-0128-3	Water Treatment Plant	.052	DR
Goulbourn Twp.	3-0128	Sewage Pumping Station and Forcemain	.648	UG
Goulbourn Twp.	1-0127-06	Sanitary Sewers (Siittsville)	.004	DR
Hallowell Twp.	3-0194	Sanitary Sewage Collection System (Fawcettville Subdivision)	.092	UG
Lochiel Twp.	4-0044 8-0033	Private Sewage and Water Systems Improvements (Glen Robertson)	.309	PS
Napanee Area	7-0171-05	Improvements to Water Treatment Plant and Modifications Elevated Storage Tank	.035	UG
Napanee Area	3-0131-03	Separation of Sanitary and Storm Sewers	.035	UG
Napanee Area	7-0482	Water Booster Pumping Station and Watermain on Belleville Rd.	.089	UG

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Napanee Area	7-0171-04	16" Water Transmission Main from Lake Ontario to Water Treatment Plant	.188	UG
Napanee T.	13-036-82	Sewage Treatment Plant Expansion, Pumping Station and 10" Forcemain	.070	COASP
North Plantagenet Twp.	4-0089	Private Sewage Systems Study (Wendover)	.043	PS
Osnabruck Twp.	3-0082	Sanitary Sewer System (Ingleside)	.011	UG
Osnabruck Twp.	4-0086	Private Sewage Systems Study (Newington)	.008	PS
Oso Twp.	4-0061 8-0046	Private Sewage and Water Systems Improvements (Sharbot Lake)	.252	PS
Ottawa — Carleton RM	7-0424	16" Watermain on Notre Dame St. (Gloucester)	.012	UG
Ottawa — Carleton RM	7-0425	Water Pumping Station (Orleans)	.082	UG
Ottawa — Carleton RM	7-0426	Elevated Water Tank (Gloucester)	.138	UG
Ottawa — Carleton RM	7-0427	Water Feedermain System for East Urban Area (Gloucester)	.052	UG
Packenham Twp.	4-0069 8-0058	Private Sewage and Water Systems Improvements (Packenham)	.106	PS
Pembroke C	3-0216	2.5 MGD Sewage Treatment Plant Pumping Station and Trunk Sewer	.267	UG
Pembroke C	7-0288	8.0 MGD Water Treatment Plant, Reservoir and Trunk Watermain	.243	UG
Perth T	3-0297	Sanitary Sewer Separation Program on Harvey Street	.194	UG
Petawawa V.	1-0135	Sewage Treatment Plant Repairs	.006	DR
Pittsburg Twp.	7-0112-2	Water Distribution System	.213	UG
Pittsburg Twp.	7-0253	Watermain Extension on Rogers Rd.	.011	UG
Plantagenet V.	5-0118	Engineering Fees	.006	DR
Portland Twp.	4-0062 8-0047	Private Sewage and Water Systems Improvements (Harrowsmith)	.010	PS
Prescott T.	7-1008	Water Tank Rehabilitation	.023	UG
Rear of Leeds and Lansdowne Twps.	4-0066 8-0052	Private Sewage and Water Systems Study (Lyndhurst)	.004	PS
Rear of Leeds and Lansdowne Twps.	4-0067 8-0053	Private Sewage and Water Systems Study (Seeley's Bay)	.113	PS

Funding Legend — DR — MOE Disbursements, Regular
DL — MOE Disbursements, Loans
UG — MOE, Up-Front Grants
PS — MOE, Private Systems Grants
BILD — Board of Industrial Leadership and Development Grants
RPB — MNA Regional Priorities, Grants
COASP — Canada/Ontario Agreement Sewage Program (Federal), Grants
SRCPP — Special Recovery Capital Projects Program (Federal), Grants

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Renfrew T	3-0337-60	Sanitary Sewer Reconstruction on Raglan St.	.027	BILD
Renfrew T	7-0433-60	Watermain Reconstruction on Raglan St.	.007	BILD
Rockland T.	1-0184-11	Low Pressure Sewage System	.015	DR
Rockland T.	5-0052	Elevated Water Tank	.029	DR
Rolph Twp.	4-0065 8-0050	Private Sewage and Water Systems Improvements (Rolphton)	.003	PS
Roxborough Twp.	4-0078 8-0067	Private Sewage and Water Systems Study (Avonmore)	.022	PS
Roxborough Twp.	4-0084	Private Sewage and Water System Study (Moose Creek)	.003	PS
Russell Twp.	7-0023	Water Supply and Distribution System	.255	UG
Russell Twp.	3-0033	Sanitary Sewer System (Embrun)	1.474	UG
Sidney Twp. (Country Club Village)	7-0163	Water Storage Reservoir and Pumping Station (Country Club Village)	.031	UG
Stirling V.	1-0407	Sewage Facilities	.005	DR
Storrington Twp.	4-0088 8-0069	Private Water and Sewage Systems Study (Battersea)	.016	PS
St. Isidore de Prescott V.	8-0013	Private Water Systems Study	.008	PS
St. Isidore de Prescott V.	1-0191	Sewage Works	.100	DR
Wellington V.	1-0139	Sewage Works	.006	DR
West Carleton Twp.	4-0072	Private Sewage Systems Study (Carp)	.001	PS
West Carleton Twp.	8-0090	Private Water Systems Study (Kinburn)	.001	PS
West Carleton Twp.	8-0077	Private Water Systems Study (Carp)	.031	PS
West Hawkesbury Twp.	8-0062	Private Water Systems Improvements (Front Road)	.033	PS
Westmeath Twp.	8-0078	Private Water Supply Systems Improvements (Westmeath)	.105	PS
Williamsburg Twp.	3-0190	Sewage Treatment Lagoon and Sanitary Sewer System (Williamsburg)	.009	UG
TOTAL, SOUTHEASTERN		87 Water and Sewage Projects	14.670	



NORTHEASTERN REGION
11th Floor
199 Larch Street
Sudbury, Ontario
P3E 5P9
Tel: (705) 675-4501

Northeastern Region

Funding Legend — DR — MOE Disbursements, Regular
DL — MOE Disbursements, Loans
UG — MOE, Up-Front Grants
PS — MOE, Private Systems Grants
BILD — Board of Industrial Leadership and Development Grants
RPB — MNA Regional Priorities, Grants
COASP — Canada/Ontario Agreement Sewage Program (Federal), Grants
SRCPP — Special Recovery Capital Projects Program (Federal), Grants

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Aweres Twp. (unorganized)	4-0073 8-0060	Private Water and Sewage System Replacement (Trout Lake Rd.)	.045	PS
Billings Twp.	8-0091	Private Water Systems (Study) — Community of Kagawong	.013	PS
Black River — Matheson Twp.	3-0344	Trunk Sewers Rehabilitation (Matheson)	.003	UG
Blind River T.	3-0140	Sanitary Sewers on Colonization Rd.	.059	UG
Blind River T.	3-0143	Sanitary Sewers on Nadon Ave.	.109	UG
Cache Bay T.	4-0064	Private Sewage Systems Upgrading	.023	PS
Carnarvon Twp.	8-0010	Private Water Works Upgrading (Mindemoya)	.018	PS
Casimir Jennings & Appleby Twp.	1-0179	Lagoon, Pumping Stations and Sewage Collection System (St. Charles)	.011	DR
Chapleau Twp.	7-0198	Watermain to Planer Area	.007	UG
Cobalt T.	1-0422	Experimental Cattail Marsh Study For Sewage Treatment	.012	RPB
Dubreuilville I.D.	1-0433 3-0026	Engineering Design for Sewage Works System	.020	RPB
Eilber and Devitt Twp.	3-0016	Sewage Pumping Station, Forcemain and Sewer Extensions (Mattice)	.226	UG
Eilber and Devitt Twp.	7-0256	Water Distribution System Rehabilitation (Mattice)	.030	UG
Elliot Lake T.	13-010-82	Horne Lake and Angel Lake Sewage Pumping Station	.014	COASP
Espanola T.	7-0466-60	300mm Trunk Watermain at Mead St.	.017	BILD
Field Twp.	8-0096	Private Water Supply Systems Study (Val des Arbres Subdivision)	.013	PS
Glackmeyer Twp.	3-0274	Lagoon and Sewer (Vaillancourt Trailer Park)	.020	UG
Haileybury T.	3-0017	Sewage Treatment Plant Expansion	.034	UG

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Hearst T.	3-0215	West End Trunk Sewer	.145	UG
Hearst T.	4-0075	Private Sewage Systems (Hearst and Satellite Communities)	.008	PS
Hearst T.	1-0057-02	Sewage Treatment Works Extension	.006	DR
Hearst Twp.	5-0136-01	Engineering Study for Waterworks Intake	.022	DR
Kapuskasing T.	1-0081-05 -06 -07	Sewage Treatment Plant, Forcemain and Pump Station	.062	DR
Kirkland Lake T.	3-0142	Chaput-Hughes Sewage Pumping Station	.358	UG
Kirkland Lake T.	7-0205	Trunk Watermain and Standpipe	.026	UG
Kirkland Lake T.	5-0280	Engineering Study for a Water Treatment Plant and Watermain Extensions (Swastika)	.101	RPB
Kirkland Lake T.	1-0248	Engineering Study for a Sewage Treatment Plant and Collection System Extensions (Swastika)	.002	DR
Larder Lake Twp.	1-0346 3-0013	Sewage Treatment System Feasibility Study	.001	RPB
Little Current T.	3-0141	Sewage Treatment Facilities and Collection System Extensions	.002	UG
Little Current T.	13-015-82	Sewage Treatment Facilities and Collection System Extensions	.288	COASP
MacDonald, Meredith and Aberdeen Twps.	4-0035 8-0009	Private Sewage and Water Systems Upgrading (Echo Bay)	.028	PS
Mattawa T.	1-0380	Repair of Sewage Lagoon	.010	DR
McDougall Twp.	7-0472	Replacement of Water Chlorination Unit (Nobel)	.063	UG
Moosonee Development Area	3-0288	Sewer Extensions on Revillion Rd. S. and Ferguson and Nabun Rds. N.	.119	UG
Moosonee Development Area	7-0395	Water Treatment Plant Expansion	.076	UG

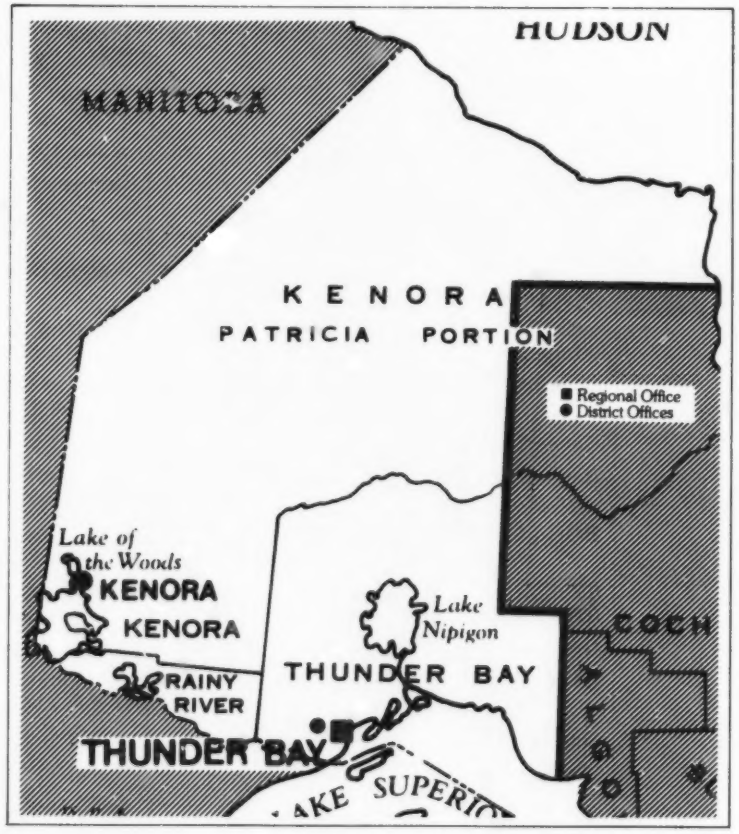
Funding Legend —
DR — MOE Disbursements, Regular
DL — MOE Disbursements, Loans
UG — MOE, Up-Front Grants
PS — MOE, Private Systems Grants
BILD — Board of Industrial Leadership and Development Grants
RPB — MNA Regional Priorities, Grants
COASP — Canada/Ontario Agreement Sewage Program (Federal), Grants
SRCPP — Special Recovery Capital Projects Program (Federal), Grants

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Nickel Centre T.	8-0073	Private Water Supply (Romford Station)	.060	PS
North Bay C.	13-070-82	Sewage Treatment Plant Extension	1.902	COASP
North Bay C.	3-0224	West Ferris Relief Sanitary Trunk Sewer — Stage 3	.013	UG
North Bay C.	3-0233	Sewage Treatment Plant Expansion	1.408	UG
North Bay C.	7-0075	Additional Pumping Unit — Trout Lake	.004	UG
North Shore Twp.	8-0007	Private Water Systems Study (Spragge)	.008	PS
North Shore Twp.	3-0018	Sewage Lagoon, Pumping Station, Forcemains, and Collection Systems (Spanish)	.118	UG
North Shore Twp.	7-0453	Water Distribution System (Serpent River)	.105	UG
Opasatika I.D.	3-0019	Sewage Lagoon, Pumping Stations, Forcemain and Collection System (Opasatika Townsite)	.260	UG
Owens, Williamson and Idington Twps.	3-0275	Sewage Lagoon and Collection System (Harty)	.253	UG
Parry Sound T	3-0277	Sanitary Sewer on Church St.	.037	UG
Parry Sound T	1-0055-05	Sewage Treatment Plant Extension, Phase II	1.598	DR
Powassan T	13-102-82	Sewage Lagoon, Pumping Station and Sewer Extentions	.020	COASP
Powassan T	3-0081	Sewage Treatment Plant Expansion	.220	UG
Rutherford and George Island Twp	7-0013	Water Treatment Plant and Distribution System (Killarney)	.285	UG
Smooth Rock Falls T.	3-0347	Sewage System Rehabilitation	.006	UG
South River V.	7-0011	Water Supply and Trunk Watermain	.030	UG
Sault Ste. Marie C	3-0262 7-0368	Water and Sewage Treatment Plants Trunk Sewers and Water Transmission Main	3.178	UG

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Sturgeon Falls T	7-0103	Water Distribution System Improvements	.001	UG
Sudbury RM	13-021-82	Wahnapitae Sewage Collection System —Nickle Centre Town (Walden)	.014	COASP
Sudbury RM	7-0349-60	Wells For Blezard Valley Supply System	.044	BILD
Sudbury RM	3-0356	Sewer Servicing Regional Road #80 and #15 (Valley East)	.027	UG
Sudbury RM	3-0365-60	Regent Street Trunk Sewer	.067	BILD
Sudbury RM	13-022-82	Carson Sanitary Trunk Sewer Nickel Centre Town (Walden)	.005	COASP
Sudbury RM	15-002	Water and Sewage Services — Algonquin Road	.554	SRCPP
Temagami Twp.	7-0366	Water Treatment Plant, Intake Discharge and Distribution Mains	.523	UG
Temagami Twp.	1-0274	Sewage Collection System Repairs	.001	DR
Timmins C	3-0253	Trunk Sewer-Town Creek	.005	UG
Timmins C	4-0052 4-0053 8-0036 8-0037	Repair of Water and Sewage Systems Study (Buffalo Ankerite Townsite)	.003	PS
Timmins C	4-0039	Repair of Private Sewage System (Preston East Dome Townsite)	.001	PS
Timmins C	15-001	Expansion of Water Filtration Plant and Trunk Watermains	.864	SRCPP
Timmins C	3-0348	Sludge Digestor Repair	.476	UG
Trout Creek T	4-0083 8-0072	Private Sewage and Water Systems Upgrading	.160	PS
West Twp.	4-0030 8-0022	Private Sewage and Water Systems Study (Missanabie)	.006	PS
White River Twp.	1-0412 1-0399 5-0247	Sanitary Sewer Extensions	.112	RPB
Various Municipalities		Payments re Salt Contamination of Private wells	.074	PS
TOTAL, NORTHEASTERN		75 Water and Sewage Projects	14.433	

Funding Legend —

DR	— MOE Disbursements, Regular	BILD	— Board of Industrial Leadership and Development Grants
DL	— MOE Disbursements, Loans	RPB	— MNA Regional Priorities, Grants
UG	— MOE, Up-Front Grants	COASP	— Canada/Ontario Agreement Sewage Program (Federal), Grants
PS	— MOE, Private Systems Grants	SRCPP	— Special Recovery Capital Projects Program (Federal), Grants



NORTHWESTERN REGION
P.O. Box 5000/3rd Floor
435 James Street South
Thunder Bay, Ontario
P7C 5G6
Tel: (807) 475-1205

Northwestern Region

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Atikokan Twp.	3-0146-1 -2	Phase II Sewer Reconstruction — Main St., Cedar Cres. and adjacent areas	1.206	UG
Atikokan Twp.	1-0301	Sewage Treatment Plant, Pumping Stations and Trunk Sewers	.065	DR
Atikokan Twp.	5-0289	Water Treatment Plant — Engineering Study	.004	RPB
Baird Twp. (Madsen) (unorganized)	3-0264	Replacement of Existing Sanitary Sewers	.074	UG
Baird Twp. (Madsen)	7-0356	Water Treatment Plant	.396	UG
Baird Twp. (Madsen)	5-0282	Pumping Station and Distribution System	.004	RPB
Balmertown I.D.	3-0078	Sewage Treatment Plant with a Capacity of 0.27 MGD	.098	UG
Balmertown I.D.	3-0286	Sewer replacement and rehabilitation	.285	UG
Balmertown I.D.	1-0401 5-0252	Cochenour Townsite Sewer Collection and Water Distribution System	.083	RPB
Balmertown I.D.	1-0430	Balmertown Townsite Sewer Upgrading Program	.053	RPB
Chapple Twp. (Barwick)	4-0090 8-0089	Private Water Supplies and Sewage Disposal Systems (Study)	.034	PS
Dryden T.	3-0353-60	Sanitary Sewers on Second St. and Mary Ave.	.010	BILD
Dryden T.	7-0455-60	300 mm Water Feedermain on Pitt and Van Horne Avenues	.021	BILD
Dryden T.	3-0354-60	200 mm sewage forcemain on Van Horne Ave.	.005	BILD
Dryden T.	3-0289	Rehabilitation of Trunk Sanitary Sewer	.007	UG
Emo Twp.	3-0355	Replacement of Sewage Forcemain on Florence St.	.010	UG
Emo Twp.	7-0457	Corrosion Protection Study and Replacement of Watermains on Florence St.	.065	UG
Emo Twp.	3-0265 7-0369	Sewer Replacement and Water Works Expansion	.002	RPB
Fort Frances T.	5-0275 7-0070	Elevated Water Storage Tank	.807	RPB

Funding Legend — DR — MOE Disbursements, Regular
DL — MOE Disbursements, Loans
UG — MOE, Up-Front Grants
PS — MOE, Private Systems Grants
BILD — Board of Industrial Leadership and Development Grants
RPB — MNA Regional Priorities, Grants
COASP — Canada/Ontario Agreement Sewage Program (Federal), Grants
SRCPP — Special Recovery Capital Projects Program (Federal), Grants

MUNICIPALITY	REF. NUMBER	PROJECT DESCRIPTION	ASSISTANCE PROVIDED ($ millions)	FUNDING SOURCE
Ignace Twp.	3-0039	Sanitary Sewer Extension on Davey Lake Road	.128	UG
Ignace Twp.	7-0135	Watermain Extension on Davey Lake Road	.015	UG
Jaffray and Melick Twp.	8-0086	Improvements to Communal Water Supply Facilities (Jonnson's Landing)	.011	PS
Jaffray and Melick Twp.	3-0095 7-0102	Sewer Collection System and Water Distribution System	1.921	UG
Jaffray and Melick Twp.	1-0332 5-0194	Water and Sewer Construction	.387	RPB
Longlac Twp.	1-0427 5-0283	Indian Reserve #58, Water and Sewage Works	.119	RPB
Longlac Twp.	1-0427 5-0283	Indian Reserve #58, Water and Sewage Works	2.186	DR
Nipigon Twp.	7-0477	Upgrading of Watermains (Nipigon Townsite)	.021	UG
Red Lake Twp.	3-0177 1-0374	Sewage Treatment Plant Expansion to 0.524 MGD	.252 .006	UG RPB
Red Lake Twp.	1-0040 5-0014-06	Rehabilitation of Water Distribution and Sewage Collection System, Phase II	.206	DR
Schreiber Twp.	7-0168	Water Treatment Plant, Pumping Station, Transmission Main and Distribution System	1.859	UG
Sioux Lookout Twp.	5-0279	Water System Construction	.098	RPB
Sioux Lookout Twp.	7-0038	Water System Improvements for Pumping Station, Intake, Standpipe and Connecting Mains	.460	UG
Thunder Bay C.	7-0434	Trunk Watermain on Oliver Rd.	.084	UG
Thunder Bay C.	13-024-82	Sanitary Trunk Sewers on Ford St.	.011	COASP
Thunder Bay C.	7-0235-02	Trunk Watermain — South of Pearl St.	.011	UG
Thunder Bay C.	7-0374	Watermain on Fairview Ave.	.001	UG
Thunder Bay C.	7-0435-60	Trunk Watermain on Main St.	.030	BILD
Thunder Bay C.	7-0354	Watermain on 25th Side Road	.032	UG
Thunder Bay C.	7-0350	Watermain on Mapleward Road	.036	UG
TOTAL, NORTHWESTERN		42 Water & Sewage Projects	11.107	
TOTAL — ALL REGIONS		433 Water and Sewage Projects	132.404	

APPENDIX I
Explanation of Financial Categories

1. Disbursements

Through this program the Ministry has participated in the construction of water and sewage works to service municipalities. Assistance to municipalities has been provided under two types of agreements:

i) **Ministry Municipal Joint Projects:** Financed under term agreements up to a maximum of 30 years after which time the municipality may acquire ownership.

ii) **Provincial Projects:** Financed and owned by the Province. Capital and operating costs are recovered by charging water or sewage service rates.

A capital budget has been provided for expenditures on engineering, construction and property acquisitions associated with projects. In addition, funds are earmarked to assist municipalities unable to obtain loans on the private market.

Since April, 1978 virtually no new projects have been assisted under this program (with the exception of the provision of loans). All new requests from municipalities have been handled under the Up-Front Grants Program.

2. Transfer Payments

a) Up-Front Grants

In April 1, 1978 the Province converted its capital assistance for water and sewage works from amortized loans and subsidies to direct or up-front grants. The intent was to encompass most projects previously funded through the Disbursements Program.

b) Private Systems

This is a program of grants established by the Province for the improvement or repair of private water and sewage systems. The objective is to encourage smaller communities to retain cost-effective private systems where ground conditions are suitable and where anticipated community growth is not such as to necessitate more expensive communal facilities.

c) Canada/Ontario Agreement Sewage Program (COASP)

d) Special Recovery Capital Projects Program (SRCPP)

These federally-funded programs provide assistance towards the construction of municipal water and sewage works. Both programs are administered through the Ministry of the Environment.

COASP funds are provided in the form of grants for sewage treatment projects under the Canada-Ontario Agreement to improve water quality in the Great Lakes Basin.

SRCPP grants, provided as part of a co-operative effort of the federal and provincial governments, are designed to speed up selected capital projects. They support economic and regional development programs for both employment and industrial expansion.

3. Regional Priorities

The Ministry of Northern Affairs administers this program as part of its program to upgrade the economic and social environment of Northern Ontario. It authorizes expenditures by the Ministry of the Environment on its behalf for construction of water and sewage services in Northern Ontario municipalities.

4. Board of Industrial Leadership and Development (BILD)

BILD co-operates with the Ministry of Environment to assist communities to attract new economic development by upgrading the existing water and waste-water infrastructures.

Industrial needs are given a higher priority in the award of BILD grants.

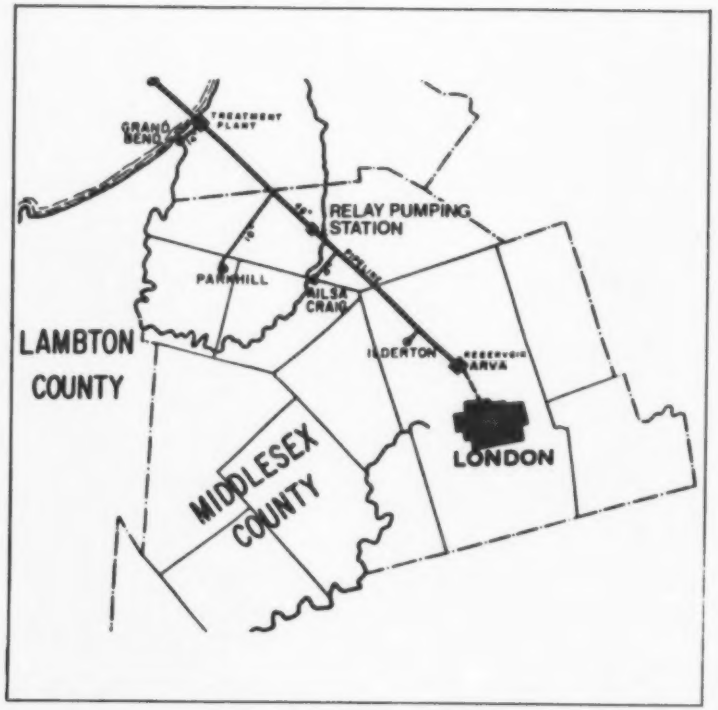
APPENDIX II
Area Systems

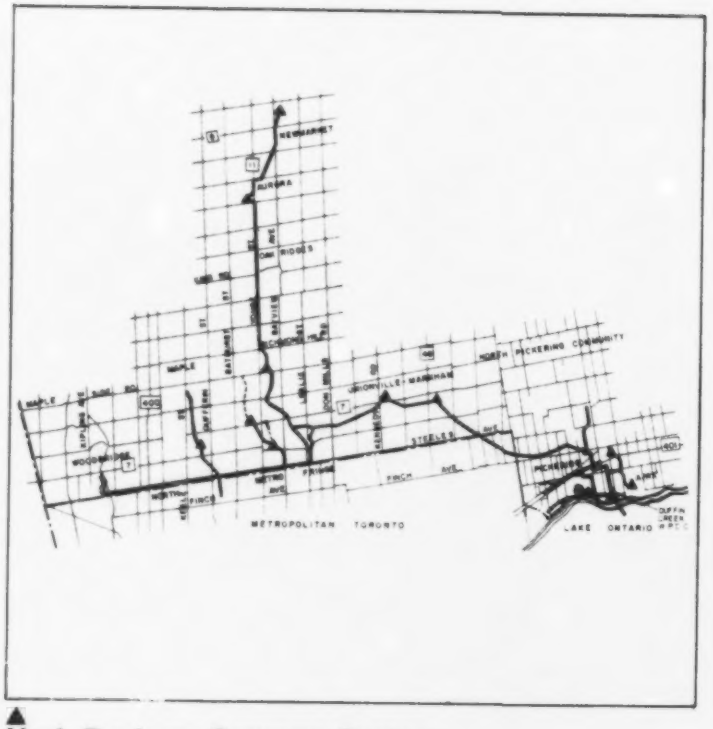
The Joint Approach

The Province has encouraged the development and construction of "area" water or sewage systems to serve a number of municipalities.

The major benefit has been that local costs are considerably reduced by the economies of scale.

The following maps indicate some of the major area systems that have been built.





▲ **York-Durham Sewage System**

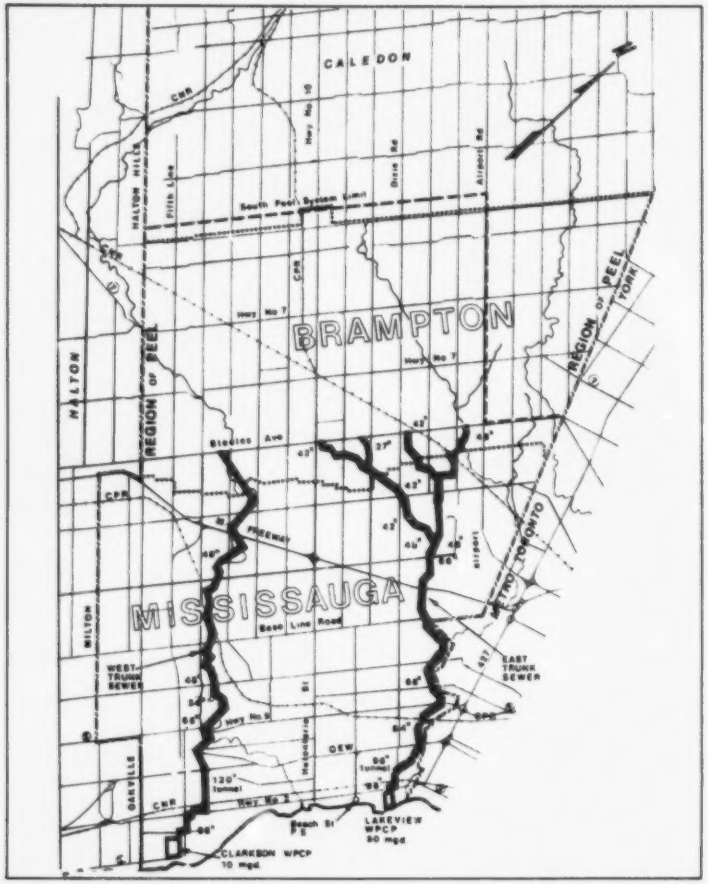
Replaces 10 older plants

Ontario's largest single sewer system, replacing 10 older plants, was completed in 1984 after nine years' construction and an expenditure of $270 million, and has the capacity to handle future growth in York and Durham well into the next century. (see above)

◀ **Lake Huron Water Supply System**

London's link to the lakes

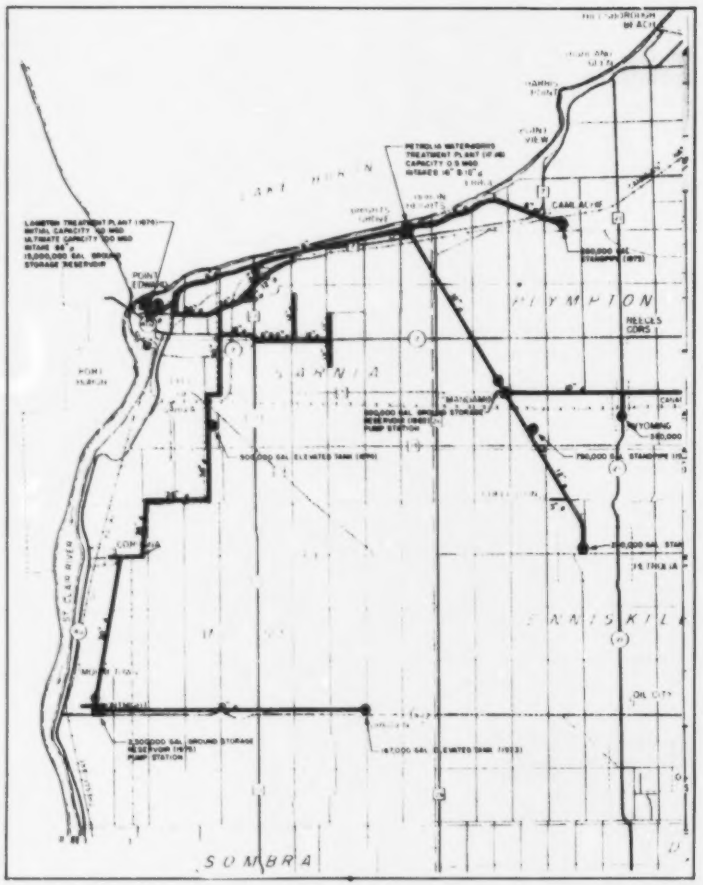
The Lake Huron system supplies water to the City of London via a 48 km trunk main from Grand Bend. Feeder mains supply municipalities along the route. The Grand Bend plant itself has a capacity of 37 MGD, to be expanded in stages to 74 MGD. (see left)



South Peel Sewage Treatment System

Two trunks, two plants

The South Peel sewage system consists of two main trunk lines feeding into the Clarkson Treatment Plant, capacity 24 MGD, serving a 160,000 population and the Lakeview Treatment Plant, capacity 50 MGD, serving over 400,000, including 80,000 in Etobicoke.



East Lambton Water Supply System

On the drawing board

A $20 million water supply system is proposed for the Eastern area of Lambton County. The Ministry of the Environment is currently discussing the project with the Town of Forest, the Villages of Wyoming and Watford, and the Townships of Plympton, Warwick and Sarnia.

The system would involve buying water from the West Lambton System and constructing some 40 km of trunk water main.

APPENDIX III

FACTS

Ministry of the Environment
Ontario

ABOUT MUNICIPAL GRANTS FOR PRIVATE WATER AND SEWAGE SYSTEMS IN SMALL COMMUNITIES

The Ontario Government, through the Minister of the Environment, has established (October 1977) a program of grants to be applied to the cost of updating of individual water and sewage works systems in small communities.

This new assistance for individual systems is considered by the Ministry to be the most cost-effective method to meet the objectives of safe and adequate water supply and sewage disposal, particularly in smaller communities where ground conditions are suitable and where anticipated community growth is not such as to necessitate the need for full-scale communal facilities. The assistance program provides an opportunity for smaller communities which fit the Ministry's criteria to upgrade individual systems without taking on the financial burden of more elaborate communal water and sewage treatment works.

Communities which apply for the grant will be assessed by the Ministry on the basis of possible health and environmental problems. Those communities that have an immediate problem will be given priority.

The program got under way early in 1978, with engineering studies being authorized by mid-year.

WHO QUALIFIES

Smaller and certain communities within larger municipalities as well as registered community groups in unorganized areas where ground conditions are satisfactory and where growth and the need for communal facilities is not of first importance. Seasonal residences, cottages or camps are not eligible for grants.

CONDITIONS FOR GRANT

1) Grants will be made towards the cost of updating, or renewal, or systems serving homes that are principal residents in defined problem areas.

2) Grants may be considered for costs associated with systems for other dwellings, commercial buildings, and small industries only when works are undertaken in conjunction with the resolution of defined problem areas amenable to a solution of this kind.

ASSISTANCE AVAILABLE

The Province, through the Ministry of the Environment, will provide:

1) the full cost of a consulting engineer's report to identify the problem, propose alternate solutions, and make recommendations.

2) 75 per cent of the construction costs that are in accordance with the recommended solutions approved by the Ministry. The 75 per cent assistance is net of any other government grants.

PROCEDURES

1) Requests for project acceptance for new undertakings by municipalities are to be made in the form of a resolution of Council to the applicable regional office of the Ministry of the Environment.

   Requests for project acceptance in unorganized communities should be made in conjunction with a registered community group and submitted through the nearest office of the Ministry of Northern Affairs.

2) The requests shall be considered for eligibility based on established criteria which define health and environmental considerations as the primary parameters for acceptance. Commitments based on available funds will be allocated, wherever possible, based on the Ministry's current "Management-by-Results" (MBR) system to establish priority of projects. (An MBR assessment system is utilized to evaluate proposed projects in terms of their contribution to achieve the removal of health hazards and environmental protection.)

3) If the request is accepted, the Ministry will have a report prepared to identify the problem and propose alternate solutions. Upon approval of the report by the Ministry, the applicant shall be notified and the approved recommendations discussed.

4) Subject to the availability of funds, the amount of the grant based on the approved report will be committed to the applicant based on the fiscal year in which the construction is expected to take place. The funds may be made available over a two-year period.

PAYMENT

- Up to 25 per cent of the total estimated cost of construction will be payable to the approved applicant in advance.

- Further interim grant advances will be made quarterly to ensure the applicant has sufficient funds on hand to pay for work in progress as it becomes completed.

- The Ministry will require certified quarterly statements of costs, and all records substantiating such costs will be audited at the discretion of the Ministry.

INFORMATION:

Further information and application forms will be available from the following Regional Offices:

CENTRAL REGION
4th Floor
7 Overlea Blvd.
Toronto, Ontario
M4H 1A8
Tel: 424-3000

NORTHWESTERN REGION
P.O. Box 5000
435 James Street South
Thunder Bay, Ontario
P7C 5G6
Tel: 475-1205

SOUTHWESTERN REGION
985 Adelaide St. South
London, Ontario
N7E 1V3
Tel: 681-3600

NORTHEASTERN REGION
11th Floor
199 Larch Street
Sudbury, Ontario
P3E 5P9
Tel: 675-4501

SOUTHEASTERN REGION
P.O. Box 820
133 Dalton Street
Kingston, Ontario
K7L 4X6
Tel: 549-4000

WEST CENTRAL REGION
P.O. Box 2112
119 King Street West
Hamilton, Ontario
L8N 3Z9
Tel: 521-7640

FACTS

Ontario Ministry of the Environment

ABOUT ONTARIO'S ASSISTANCE TO MUNICIPAL WATER AND SEWAGE PROJECTS

The Ontario Government, through the Ministry of the Environment, has established a direct grant program to aid the undertaking of urgently needed municipal sewage and water projects and to widen the coverage of provincial assistance to municipalities.

This program, effective from April 1, 1978, extends provincial grants to assist the construction of municipally-owned water and sewage facilities. Previously, only joint provincial-municipal and provincially-owned projects, and certain municipal projects in regional or restructured municipalities, qualified for such grants.

Environment Ontario's revised formula of grants for these facilities is calculated as a percentage of net capital costs, after deducting any other applicable grants or subsidies, and is provided under two general categories:

(1) Direct grants of 15 per cent for major water and sewage works:
   (a) in support of urban growth, or
   (b) to encourage economies of scale for area schemes encompassing more than one municipality.

(2) Direct grants of up to 75 per cent of the net capital cost for small municipalities, where the capital costs per lot serviced would exceed $1,200 and $1,500 for water and sewage respectively, in an endeavor to hold the municipality's share of the capital costs to the above limits.

Eligibility:

Generally, all major components of water supply and waste treatment works are eligible for provincial grants. This includes water intakes, treatment, and storage facilities, and trunk feedermains along with sewage treatment facilities, outfall sewers, trunk sanitary sewers and associated pumping stations.

In smaller municipalities having a population of 7,500 or less, with high costs, the local water distribution and sewage collection works, as well as the major components, qualify for grants, on the condition that an enforced connection bylaw under Section 362(a) of The Municipal Act is put into effect.

Procedures:

The municipality should arrange a preliminary discussion with the nearest Ministry of the Environment regional office to obtain basic guidance on the scope of the proposed works, procedures and eligibility for provincial funding. The municipality can then make a formal request for funding assistance through the regional office.

Such requests will require a Resolution of Council, a Preliminary Report outlining the works proposed along with an application for Preliminary Approval of the same and an application for a Capital Grant.

The requests shall be considered for eligibility based on established criteria which define health and environmental considerations as the primary paramenters for acceptance. Commitments based on available funds will be allocated, wherever possible, based on the Ministry's current "Management-by-Results" (MBR) system to establish priority of projects. (An MBR assessment system is utilized to evaluate proposed projects in terms of their contribution to achieve, in the following order of importance: the removal of health hazards, environmental protection, accommodation of growth and community enhancement.)

Ministry staff will review the report, assign a priority rating and advise the municipality as to whether or not it qualifies for funding under the grant program. The municipality will also be advised of public hearing requirements.

When the hearing process has been completed the Ministry will issue a Preliminary Certificate of Approval and will provide an initial indication of the amount of the grant. Funding commitments will not be given at this time.

The municipality will carry out all other necessary administrative formalities concerning the Ontario Municipal Board and Canada Mortgage and Housing Corporation,* complete final design of the works, and make application for Final Approval.

*(Note: CMHC support for sewage and water facilities -- the Community Services Contribution Program -- was terminated by the Federal Government on December 31, 1980)

The Ministry will issue a Final Approval Certificate and confirm the amount and availability of funding. Grant request must be made by October 1 for work intended to be constructed in the following year. Failure to request a grant commitment within the specified time limits may result in unavailability of funds.

The municipality will arrange for the calling of tenders and the award of contracts.

Payment of Grants:

Following the award of contracts, the municipality will submit a projection of expenditures. Grants will be paid in the form of advances based on projected expenditures. A holdback of ten per cent of the grant will be retained by the province pending receipt of the municipal auditor's statement of final costs.

The Ministry reserves the right to audit the municipality's cost records at any time.

Information:

Further information and application forms will be available at the following regional offices:

P.O. Box 5000
435 Floor Street South
Thunder Bay, P7C 5G6
Tel. 475-1205

199 Larch Street
Sudbury, P3E 5P9
Tel. 675-4501

7 Overlea Blvd.
4th Floor
Toronto, M4H 1A8
Tel. 424-3000

985 Adelaide Street S.
London, N6E 1V3
Tel. 681-3600

133 Dalton Street
Kingston, K7L 4X6
Tel. 549-4000

119 King Street West
12th Floor
Hamilton, L8N 3Z9
Tel. 521-7640

APPENDIX IV

Ministry of the Environment
Ontario
Ministère de l'Environnement

Application for the Approval of Water Works

Demande d'autorisation de construction d'ouvrages d'adduction et de purification de l'eau

Ministry Use Only
Réservé au ministère
Application Number
Numéro de demande

Municipality
Municipalité

Return to:
Ministry of the Environment
Director, Environmental Approvals and Project Engineering Branch
135 St. Clair Avenue West
Toronto, Ontario
M4V 1P5

Renvoyer au:
Ministère de l'Environnement
Directeur des approbations environnementales et des services d'ingénierie
135 ouest, avenue St. Clair
Toronto (Ontario)
M4V 1P5

Important
The installation of water works shall not be undertaken without the approval of the Direc... mental Approvals and Project Engineering Branch, of the Ministry of the Environment. Su... will be made through the issuance of a certificate upon satisfactory compliance by the appli... the policies and requirements of the Ministry.
This form must be accompanied by the information requested in **A Guide on Applying for the Approval of Water Works.**

Important
Aucun ouvrage d'adduction et de purification de l'eau ne peut commencer à être construit sans l'autorisation du directeur des approbations environnementales et des services d'ingénierie du ministère de l'Environnement. Le directeur donne son autorisation en délivrant un certificat après s'être assuré que le demandeur s'est conformé aux politiques et exigences du ministère.
La présente formule doit être accompagnée des renseignements demandés dans le Guide pour les demandes d'autorisation de construction d'ouvrages d'adduction et de purification de l'eau.

0734 (2/84) Page 1 of 4

Description of Works
Description des ouvrages
Application is hereby made to the Director for
Le demandeur adresse au directeur par
la présente une demande d'autorisation
☐ Preliminary *Préliminaire* ☐ Final *Définitive* ☐ Experimental *Expérimentale*

Approval to Construct (Describe water distribution systems, pumping stations and miscellaneous facilities.)
de construire (décrire les réseaux de distribution, les postes de pompage et installations diverses).

And Water Treatment and Storage Facilities (Describe type and capacity of major works.)
ainsi que l'usine de purification de l'eau et les réservoirs suivants (décrire le type et la capacité des principaux ouvrages)

Location of Proposed Water Works
Emplacement des ouvrages
Lot, Concession, Municipality & County, District or Region
Lot, concession, municipalité et comté, district ou région

Source of Water Supply
Source d'alimentation en eau

This application is made under the provisions of Section 23, Ontario Water Resources Act, and such other statutes as re... water works.
The appli... that no changes in or deviations from the approved plans and specifications will be mad... consent and approval of the Director, and agrees, if requested, to submit as-built, ... to the Director upon completion of the project.

... faite aux termes des dispositions de l'article 23 de la loi sur les ressources en eau de l'Ontario ...urces Act) et des autres lois qui se rapportent aux ouvrages d'adduction et de purification de l'eau ...s'engage à n'apporter aucune modification aux plans et cahier des charges approuvés, sauf ...e consentement et l'autorisation du directeur, et s'engage, sur demande, à remettre les plans des ouvrages ...ls ont été construits ainsi que la ventilation détaillée du coût de construction au directeur à la fin des travaux.

Signatures Required
Signatures requises

Applicant
Demandeur
Signature
Signature
Name (Print or Type)
Nom (en lettres moulées)
Date
Date
Mailing Address
Adresse
Telephone
N° de téléphone

Municipality (If not applicant)
Municipalité *(À remplir si le demandeur n'est pas la municipalité.)*
Signature
Signature
Name & Title of Municipal Authority
Nom et titre du responsable municipal
Date
Date
Mailing Address
Adresse
Telephone
N° de téléphone

Engineer
Ingénieur
Name of Engineer or Firm
Nom de l'ingénieur ou de la firme d'ingénierie
Date
Date
Mailing Address
Adresse
Telephone
N° de téléphone

Operating Authority (If not applicant)
Exploitant *(À remplir si l'exploitant n'est pas le demandeur.)*
Signature
Signature
Name of Operating Authority
Nom de l'exploitant
Date
Date
Mailing Address
Adresse
Telephone
N° de téléphone

0734 (2/84) Page 2 of 4

SAMPLE

Cost Summary
Sommaire des coûts

Watermains and Appurtenances ***Conduites principales et accessoires***	$
Service Connections ***Branchements d'eau***	$
Auxiliary Pumping Stations and/or Storage Systems ***Postes de pompage auxiliaires et/ou réservoirs***	$
Water Supply and/or Purification Works ***Alimentation en eau et/ou usines de purification***	$
Engineering and Contingencies ***Ingénierie et imprévus***	$
Land Charges ***Frais fonciers***	$
Total **Total**	$

Financing
Financement
Payment by (cash, debentures, loans, etc.)
Paiement (comptant, débentures, emprunts, etc.)

Type of Financing (municipal, private, government)
Type de financement (municipal, privé, gouvernemental)

Scheduling
Calendrier
Construction Start Date
Date de début des travaux

Construction Period (years, months)
Durée des travaux (années, mois)

File Number of Ministry of Municipal Affairs and Housing
Numéro de dossier du ministère des Affaires municipales et du Logement

or Registered Plan Number (if applicable)
ou numéro de plan enregistré *(s'il y a lieu)*

The certificate of approval will be issued to the applicant. Copies will be sent to the clerks of ar municipalities which are not applicants. List names and addresses below for any additional co

Le certificat d'autorisation sera délivré au demandeur et une copie du certificat envoyée aux se de toutes les municipalités intéressées qui n'ont pas signé la demande. Indiquer les noms et adres des personnes auxquelles il faut faire parvenir des copies supplémentaires.

Ministry Use Only
Réservé au ministère
Application Checked by
Demande vérifiée par

☐ **Application Recommended for Approval**
Autorisation de la demande recommandée

Supervisor, Mun. & Private Approvals Section — Date
Superviseur, Section des approbations - secteurs municipal et privé — *Date*

0734 (E/84) Page 3 of/de 4

Description of Watermain Location
Description de l'emplacement des conduites principales

Plan Number *N° de plan*	Class of Watermain Type of *Catégorie de conduites principales*	Street or Easement on which Watermain is to be Constructed *Rue ou servitude (dans laquelle la conduite principale doit être construite)*	From (location with respect to nearest intersecting street) *De (intersection la plus proche)*	To (location with respect to nearest intersecting street) *À (intersection la plus proche)*

Proposed Municipal By-Law Description (If different from above.) (Attach separate sheet if required.)
Description du règlement municipal projeté *(si différente de la précédente). (Attacher une feuille, si espace insuffisant.)*

0734 (E/84) Page 4 of/de 4

SAMPLE

APPENDIX V

Preliminary Application For Grant

Instructions

General

The applicant is to ensure that their project consultant or technical representative completes this form and submits it with any supporting documents. If the project is to be funded in stages, the application form should relate to the overall project and details of the staged parts should be provided separately.

Applicant — Name of Municipality
Mailing Address

Project Description — Project identification
Brief description of works

Consultant/Technical Advisor — Representative completing form

Eligible Costs

Includes the cost of land related to freehold costs, but not easements and construction. A fixed amount of twelve per cent (12%) of the construction cost is allowed for engineering in the grant calculation. (the actual cost of engineering paid by the municipality to its consultant is governed by the Agreement for Engineering Services and will vary depending on the nature and complexity of the works). Miscellaneous costs which includes legal costs, should be detailed. Financing costs are excluded.

Grant(s) from Other Sources

Includes all other grants from the Federal and/or Provincial Governments but excludes private contributions from others such as developers and industrial or commercial establishments.

Construction

Anticipated starting date and estimated cash flow during construction period.

Project Data

This refers to works proposed for construction only.

Existing: Population, cost, capacity and connections relative to new works to be constructed to take care of existing requirements.

New: Population, cost, capacity and connections relative to new works to be constructed to take care of future requirements.

Design Population: Potential number of persons that could be serviced by the works.

Equivalent Population: For industrial and commercial users the residential equivalent is based on 110 gallons per person per day (110 gallons = 0.5 cubic metre). The industrial and commercial flow in cubic metres should be divided by 0.5 cubic metres to arrive at the equivalent population.

Design Capacity: To be shown in international standards (cubic metres).

Potential Number of Service Connections: This includes vacant lots and should represent the number of lots which could be serviced by the works. Each apartment in any multi-unit building is regarded as one connection.
Industrial and commercial equivalent is based on a typical home figure of 3 persons each using 0.5 cubic metres per day (a total of 1.5 cubic metres) applied to the total flow in cubic metres.

Water Treatment Works

Includes trunk mains where no service connections are involved, storage and supply facilities.

Authorized Signature — Municipal Official

Ministry of the Environment
Ontario

Application for Grant

☐ **Preliminary** (Submit by October 1st for construction proposed in the following year)
☐ **Final** (Following award of contract)

Water Works Project

1. Municipality:

Applicant: (Name and address)	For MOE Use Only
	Project No:
Project Description:	Region:
	Location: Municipal Code –
MOE Approval Certificate No.	MBR: Assessment Value –
Consultant/Technical Advisor:	Category –

2. Eligible Costs:

	Treatment Works	Distribution System
	$	$
g @ 12% of item (A) 2		
(Provide details)		
Total	$	$
(B) Amount of Grant(s) from other sources – (Specify)	$	$
(C) Eligible Cost (A) – (B)	$	$

3. Construction:

Proposed start date: (Month – Year)	Estimated Cash Flow Quarterly in '000 Dollars				
	Year	1	2	3	4
		$	$	$	$
		$	$	$	$

4. Project Data: (Supported by a copy of the associated Design Report)

	Design Population			Eligible Capital Costs	Design Capacity (SI)	Potential No. of Service Connections
	Total	Residential	Equivalent			
A Water Treatment Works:						
1 Existing						
2 New						
B Water Distribution System:						
1 Existing					[redacted]	
2 New						

5. For MOE Use Only (Regional Office)

Status of Sub-Division Approval –
No Delay ☐
Up to 1 Year ☐
1 - 2 Years ☐
2 - 3 Years ☐
3 Years & Over ☐

Project Design Detail Checked and Approved
Date:
Signature:
Position:

MOE 0880 3/80

DATE	AUTHORIZED SIGNATURE

TO BE SUBMITTED IN TRIPLICATE

SAMPLE

APPENDIX VI

New Thrusts to the Program

Revised Direct Grant Program Effective April, 1985

Municipality population over 7500

A grant of 15% of approved cost of major works to support urban growth or to encourage economies of scale for area schemes encompassing more than one municipality.

Municipality population under 7500 – High Cost Grant

Grants for high cost communal works in small communities to be calculated according to the formula:
Grant (% of approved cost) = 95.77 - 0.01077 x P
P = Population (either from the municipal directory, census data, or derived from the assessment roll)
Maximum Population : 7,500
Maximum Grant : 85% where P = 1,000 or less
Minimum Grant : 15% where P = 7,500

Regional Municipalities – High Cost Grant

MOE is prepared to provide assistance to certain specified communities in Regional Municipalities on a shared basis with the regional governments.

Cost to be shared as follows:
Where the community population is 1,000 or less:
Ministry Grant : 60% of approved cost
Regional Municipality : 25%
Area Municipality : 15%

Where the community population is over 1,000 but under 7500:
The grant to be calculated according to the formula % Grant = 95.77 – 0.01077 x P and split between the Ministry and the regional municipality in the ratio of 60/85 to 25/85; the area municipality to pay the remaining cost.

Award of Ministry's grant will be subject to regional municipalities providing their share of cost.

Direct Grant for Engineering Studies

The Ministry will now contribute towards the cost of engineering reports (design reports, environmental studies and environmental assessment reports) at the same level as the percentage capital grant, under the following conditions:
a) MOE participates in the terms of reference;
b) 50% of the eligible cost to be payable on submission of the report;
c) balance of eligible cost payable on acceptance of report by MOE.

The above grant for engineering studies is applicable to all Direct Grant projects, except rural water pipeline extensions.

Definition of Community

To qualify for high cost grants, a community must have a geographic identity, be spatially separated (i.e. 2 km from adjacent community) and contain permanent residences; residential density must not be less than 2.5 residences/gross hectare or for strip development, 35 residences/kilometre.

Grant for Rural Water Pipeline Extensions

A new grant program will assist the construction of water pipeline extensions in rural areas outside urban boundaries (community qualification does not apply).

Ministry Grant: 25% of approved cost, subject to approval of the Ministries of Agriculture and Food and of Municipal Affairs and Housing.

Implementation:

For the 1985-86 fiscal year:

Projects for which tenders have been awarded before April 1, 1985 will receive assistance according to the old grant calculation system.

Projects where tenders are awarded on or after April 1, 1985 can receive assistance either under the old or under the new calculation, whichever is more advantageous to the municipality.

Projects where tenders are awarded on or after April 1, 1986 will receive assistance under the new calculation.